

# **Final Report for Remediation of Locations in Granite City, Madison and Venice, Illinois, Associated with NL Industries/Taracorp Superfund Site**

**Submitted to:**

**United States Army Corps of  
Engineers**

**Omaha, Nebraska**

**Submitted by:**

**OHM Remediation Services Corp.**

**May 19, 1995**

## **APPENDIX A**

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### **AIR MONITORING DATA**

All sites in all phases of the Granite City project had air monitoring done throughout the work process. The following table includes an example of air monitoring results that were typical of each site on the Granite City project. Every site is not presented in the final report to minimize the volume of paper.

**U.S. ARMY CORP OF ENGINEERS--JOB #13407  
PERIMETER AIR SAMPLE LOG--LEAD**

SAMPLE NUMBER	LOCATION	ACTIVITY	SAMPLE TIME	SAMPLE RESULTS	REPORT DATE	PERFORMED BY
AL4401J506	UPWIND ALLEY 44	LOADING TRUCKS	450 MIN	<.00030MG/M3	10/12/95	CHEMTEX
AL4402J506	DOWNWIND ALLEY44	LOADING TRUCKS	480 MIN	<.00030MG/M3	10/12/95	CHEMTEX
AL4403J506	DOWNWIND ALLEY44	LOADING TRUCKS	465 MIN	<.00030MG/M3	10/12/95	CHEMTEX
AL4404J506	BLANK	NA	NA	<.00125MG\FILTER	10/12/95	CHEMTEX
AL4501JK01	UPWIND ALLEY 45	LOADING TRUCKS	150 MIN	.0042MG/M3	10/12/95	CHEMTEX
AL4502JK01	DOWNWIND ALLEY 45	LOADING TRUCKS	150 MIN	.0078MG/M3	10/12/95	CHEMTEX
AL4503JK01	DOWNWIND ALLEY 45	LOADING TRUCKS	150 MIN	.0035MG/M3	10/12/95	CHEMTEX
AL4504JK01	BLANK	NA	NA	<.00125MG\FILTER	10/12/95	CHEMTEX



## **APPENDIX B**

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### **WORK SUMMARIES**

The following work summaries outline the action dates, construction summaries, problems encountered and resolutions, quantity summaries, and verification analytical for the following locations:

- ▶ MISSOURI AVENUE, GRANITE CITY, ILLINOIS
- ▶ 203/205 TERRY STREET, EAGLE PARK ACRES, MADISON, ILLINOIS
- ▶ 100/201 HILL, EAGLE PARK ACRES, MADISON, ILLINOIS
- ▶ 202A HARRISON, EAGLE PARK ACRES, MADISON, ILLINOIS
- ▶ ABBOTT AVENUE ALLEY, VENICE, ILLINOIS
- ▶ WEBER AVENUE ALLEY, VENICE, ILLINOIS
- ▶ 208 TERRY STREET, EAGLE PARK ACRES, MADISON, ILLINOIS
- ▶ 3108 COLGATE, GRANITE CITY, ILLINOIS
- ▶ 108 CARVER STREET, EAGLE PARK ACRES, MADISON, ILLINOIS
- ▶ 2230/2226 CLEVELAND, GRANITE CITY, ILLINOIS
- ▶ 1628 DELMAR, GRANITE CITY, ILLINOIS
- ▶ 210 TERRY, EAGLE PARK ACRES, MADISON, ILLINOIS
- ▶ ALLEY #44, VENICE, ILLINOIS
- ▶ 319 WATSON STREET, EAGLE PARK ACRES, MADISON, ILLINOIS
- ▶ ALLEY #45, MADISON, ILLINOIS
- ▶ 101/103 CARVER STREET, EAGLE PARK ACRES, MADISON, ILLINOIS
- ▶ ALLEY #27, VENICE, ILLINOIS
- ▶ ALLEY #28, VENICE, ILLINOIS
- ▶ 125 CARVER STREET, EAGLE PARK ACRES, MADISON, ILLINOIS
- ▶ ALLEY #21, VENICE, ILLINOIS
- ▶ ALLEY #16, VENICE, ILLINOIS
- ▶ 822 NIEDRINGHAUS, LINCOLN PLACE, ILLINOIS
- ▶ 1408 STATE, GRANITE CITY, ILLINOIS
- ▶ 1410 GRAND, GRANITE CITY, ILLINOIS
- ▶ 1442 GRAND, GRANITE CITY, ILLINOIS
- ▶ 1630 DELMAR, GRANITE CITY, ILLINOIS
- ▶ 1443 GRAND, GRANITE CITY, ILLINOIS
- ▶ 1642 CLEVELAND, GRANITE CITY
- ▶ 1640 CLEVELAND, GRANITE CITY, ILLINOIS
- ▶ 1429 MADISON, GRANITE CITY, ILLINOIS
- ▶ 1633 DELMAR, GRANITE CITY, ILLINOIS
- ▶ 1440 GRAND, GRANITE CITY, ILLINOIS
- ▶ 1643 EDISON, GRANITE CITY, ILLINOIS
- ▶ 1444 GRAND, GRANITE CITY, ILLINOIS
- ▶ 1423 MADISON, GRANITE CITY, ILLINOIS

- ▶ ALLEY #53, VENICE, ILLINOIS
- ▶ ALLEY #49, VENICE, ILLINOIS
- ▶ ALLEY #62, VENICE, ILLINOIS
- ▶ ALLEY #6, VENICE, ILLINOIS
- ▶ ALLEY #7.5, VENICE, ILLINOIS
- ▶ ALLEY #65, VENICE, ILLINOIS
- ▶ ALLEY #65.5, VENICE, ILLINOIS
- ▶ ALLEY #62.5, VENICE, ILLINOIS
- ▶ ALLEY #13, VENICE, ILLINOIS
- ▶ 1217 MARKET STREET (#140M), VENICE, ILLINOIS
- ▶ 214 WATSON STREET, EAGLE PARK ACRES, MADISON, ILLINOIS
- ▶ 209 HILL STREET, EAGLE PARK ACRES, MADISON, ILLINOIS
- ▶ 210 WATSON STREET, EAGLE PARK ACRES, MADISON, ILLINOIS
- ▶ ALLEY #19, VENICE, ILLINOIS
- ▶ 211 HILL, EAGLE PARK ACRES, MADISON, ILLINOIS
- ▶ ALLEY #36.5, McKINLEY STREET, VENICE, ILLINOIS
- ▶ ALLEY #54.5, WEBER STREET, VENICE, ILLINOIS
- ▶ 207 TERRY, EAGLE PARK ACRES, MADISON, ILLINOIS
- ▶ 123 BOOKER, EAGLE PARK ACRES, MADISON, ILLINOIS
- ▶ 212 CARVER, EAGLE PARK ACRES, MADISON, ILLINOIS
- ▶ 104 CARVER, EAGLE PARK ACRES, MADISON, ILLINOIS
- ▶ 206 WATSON, EAGLE PARK ACRES, MADISON, ILLINOIS
- ▶ 202 WATSON, EAGLE PARK ACRES, MADISON, ILLINOIS
- ▶ 204 WATSON, EAGLE PARK ACRES, MADISON, ILLINOIS
- ▶ 203 WATSON, EAGLE PARK ACRES, MADISON, ILLINOIS
- ▶ 201 WATSON, EAGLE PARK ACRES, MADISON, ILLINOIS
- ▶ 207 WATSON, EAGLE PARK ACRES, MADISON, ILLINOIS
- ▶ 217A ROOSEVELT STREET, EAGLE PARK ACRES, MADISON, ILLINOIS
- ▶ 217B ROOSEVELT STREET, EAGLE PARK ACRES, MADISON, ILLINOIS
- ▶ PUGMILL, EAGLE PARK ACRES, MADISON, ILLINOIS

## MISSOURI AVENUE

**Action Date:** April 20, 1993

**Loadout:** June 9, 1993

**Restoration Begins:** June 9, 1993

**Restoration Completed:** June 30, 1993

Visual contamination was excavated yielding an estimated 3,400 cubic yards of hazardous waste, which was shipped to Peoria Disposal in Peoria, IL for stabilization.

- ▶ The remaining excavation yielded an estimated 160 cubic yards of special waste, which was shipped to Laidlaw-Roxanna in Edwardsville, IL for disposal.
- ▶ Excavation depth ranged between 2.5 and 3 feet.
- ▶ After sod installation, Munie Outdoor Construction Co. crews watered until sod was stable.
- ▶ During the restoration phase, the stone driveway was replaced with concrete, at the direction of USACE.
- ▶ During the excavation phase, the telephone line was broken. This was repaired within the week.
- ▶ During the remediation activities, the homeowner was housed in a hotel.
- ▶ Equipment utilized during excavation:
  - Cat 215 Trackhoe (OHM).
  - Case 580 Backhoe (OHM).
  - John Deere 550 Bulldozer (Rental).
  - John Deere 490 Frontloader (Rental).
  - Ingersoll-Rand 10-ton Drum Compactor (Rental).
  - Water Truck (Rental).

- ▶ Subcontractors:
  - Beelman Truck Co.
    - Hauled Hazardous Waste
  - Cunningham Trucking Co.
    - Hauled Special Waste
  - Peoria Disposal Company
    - Hazardous Waste Disposal
  - Laidlaw-Roxanna.
    - Special Waste Disposal.
  - Metro East Sand
    - Backfill
    - Topsoil
  - Bellefontaine Quarry
    - Stone
  - L. Wolf Co.
    - Concrete
  - Munie Outdoor Construction Co.
    - Sod Installation and Maintenance
- ▶ Quantity Summaries:
  - See Figure A.1
- ▶ Verification Analytical:
  - See Figure A.2

SITE NAME     MISSOURI AVE

SITE #	HAZ CU YD	SPEC CU YD	CA-7 TONS	CA-6 TONS	BACKFILL	SAND	SEED/SOD	ROCK	TOP SOIL	3" STONE	CONCRETE
MO AVE	3400	160				41 TONS		1633 TON	1300 TON		834.64 SQ YD

**OHM CORPORATION**  
**PROJECT 13407**

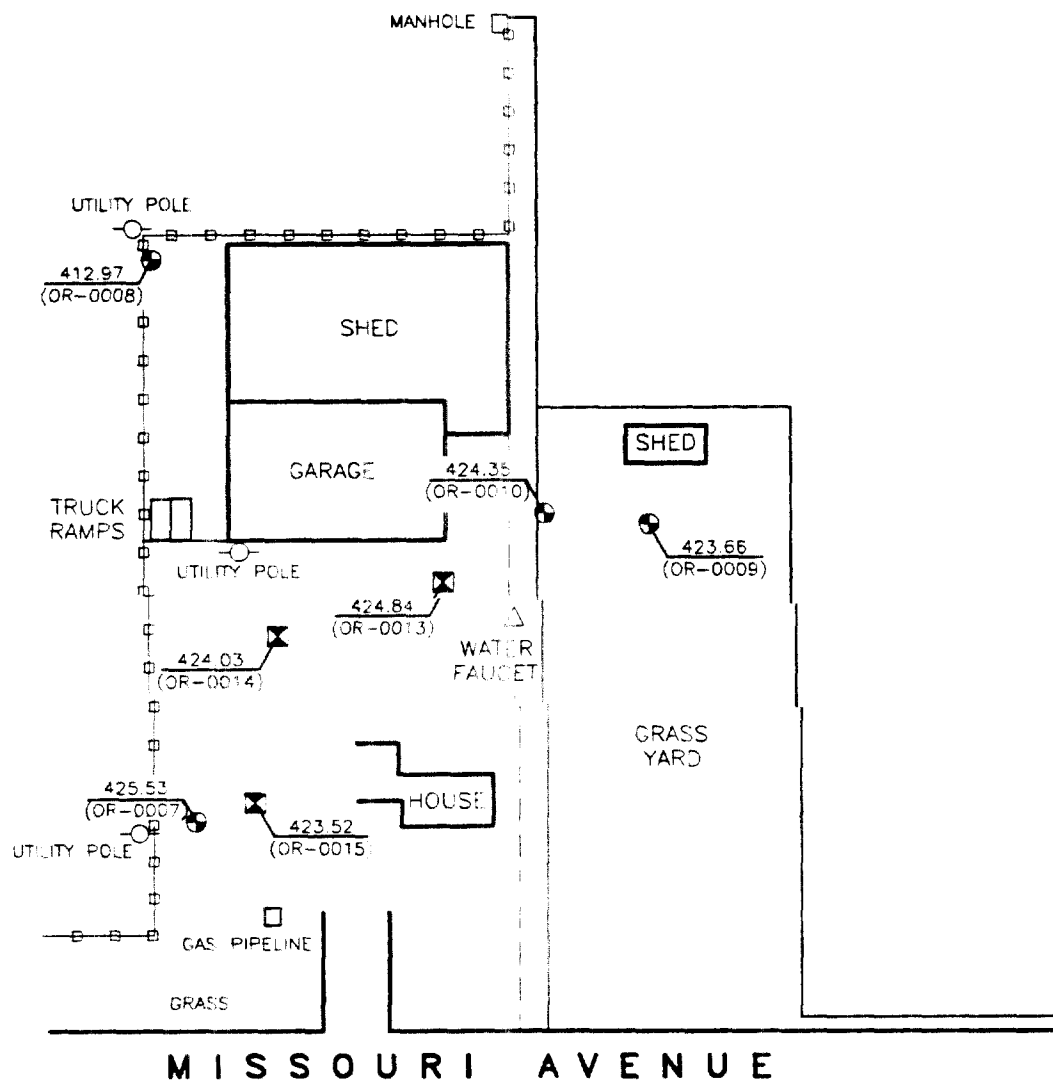
## PRE-CHARACTERIZATION SAMPLING RESULTS

**SITE NAME: MISSOURI AVENUE**

[illegible]

**ECC RESULTS**  
**MISSOURI AVENUE**

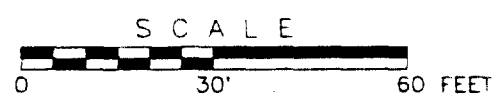
SECTION NUMBER	RESULTS MG/KG	SECTION NUMBER	RESULTS MG/KG
SMO33428	176	SMO38898	208
SMO33529	23.9	SMO39067	133
SMO33630	435	SMO39269	131
SMO33731	338	SMO393100	236
SMO33832	16.2	SMO394101	133
SMO33933	188	SMO39570	77
SMO34034	120	SMO39671	63
SMO34135	362	SMO39772	142
SMO34236	26.1	SMO39873	69.6
SMO34337	11	SMO39974	131
SMO34438	263	SMO40075	93.9
SMO34539	78.2	SMO401102	71.2
SMO34640	55.7	SMO403103	211
SMO34741	75.9	SMO404104	70
SMO34842	158	SMO405105	108
SMO34943	273	SMO406106	191
SMO35044	415	SMO40719	33.9
SMO35145	458	SMO408B76	26.4
SMO35347	246	SMO40977	10.3
SMO35448	214	SMO41078	64.8
SMO35549	118	SMO41179	146
SMO35650	131	SMO41280	236
SMO35751	164	SMO43017	262
SMO35852	195	SMO43118	22.2
SMO35953	264	SMO432124	*2730
SMO36054	147	SMO433107	24.4
SMO36155	80.8	SMO434108	17
SMO362116	9.4	SMO435109	22.2
SMO36389	297	SMO442119	67.8
SMO36490	49.7	SMO443120	13.7
SMO36591	29.3	SMO444121	127
SMO36692	23.8	SMO445122	115
SMO36793	30.3	SMO439110	48.4
SMO36894	332	SMO440111	300
SMO36957	167	SMO441112	22.3
SMO37058	207	SMO30617	93
SMO38159	146	SMO30718	246
SMO37396	47.5	SMO30819	158
SMO37495	106	SMO30920	171
SMO37599	18.9	SMO31021	110
SMO37797	31.5	SMO31022	204
SMO37860	168	SMO30123	345
SMO38061	280	SMO30124	178
SMO38162	89.4	SMO31025	67.6
SMO38263	174	SMO31026	64.7
SMO38464	246		
SMO38665	114		
SMO38766	416		



General Notes:

- HAND AUGER BORING LOCATION
- ⊠ DRILLING RIG BORING LOCATION

NOTE: RESIDENT INDICATED THAT LAND NORTH OF DASHED LINE IS LEASED RR PROPERTY.



REMOTE FILL AREAS:  
MISSOURI AVENUE

GRANITE CITY  
GRANITE CITY, ILLINOIS



**OHM Corporation**  
Findlay, Ohio

Drawn By: L. DUNLAP	Checked By:
Date 8-12-93	Approved By:
Scale: AS SHOWN	Drawing No: 13407-A6



KIM,  
I ALSO NEED A DIMENSION  
FROM THE TOP CORNER OF  
THIS PROPERTY TO MISSOURI  
AVENUE.



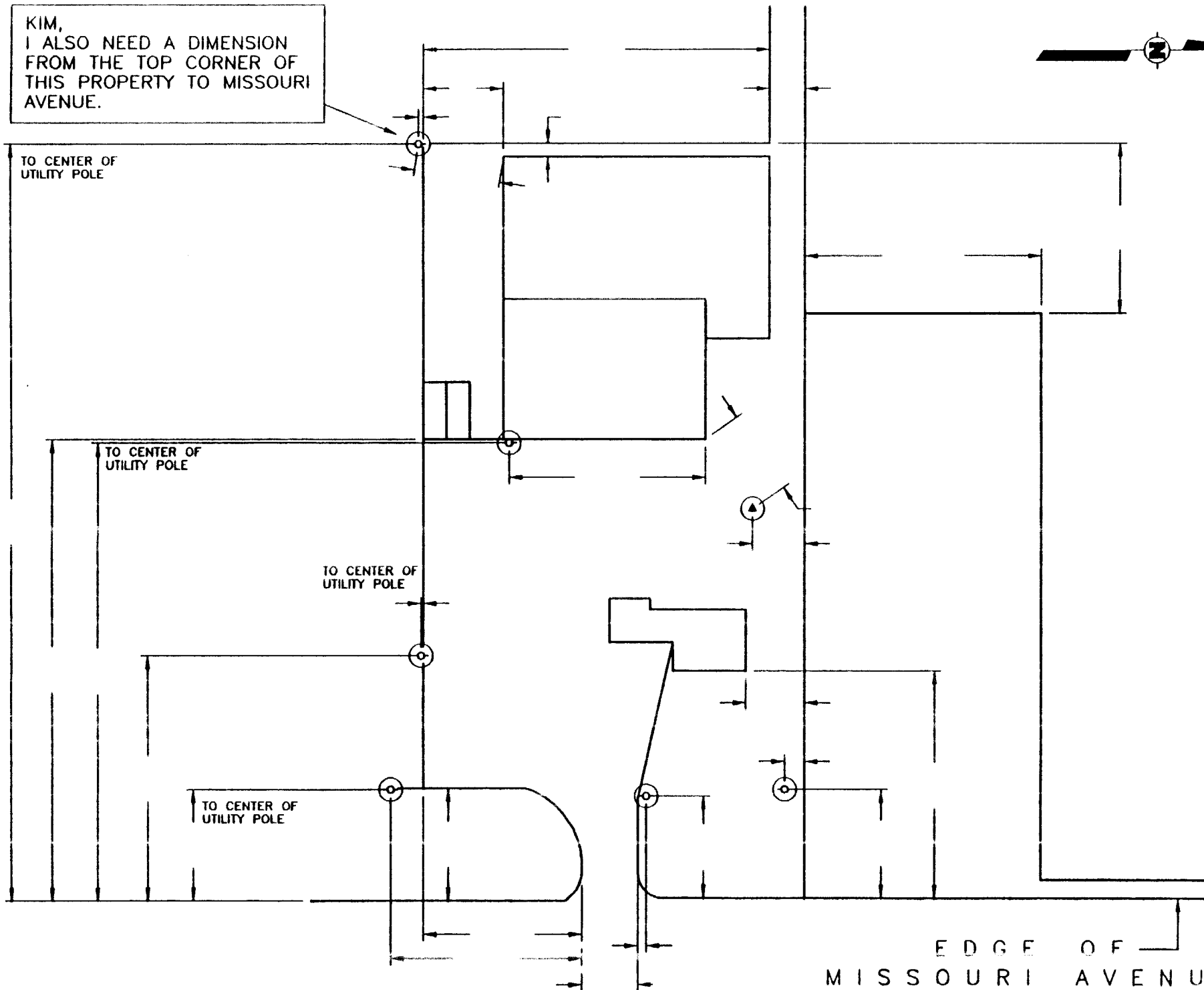
TO CENTER OF  
UTILITY POLE

TO CENTER OF  
UTILITY POLE

TO CENTER OF  
UTILITY POLE

TO CENTER OF  
UTILITY POLE

EDGE OF  
MISSOURI AVENUE



## **203/205 TERRY ST.**

**Action Date:** May 10, 1993  
**Loadout:** June 6, 1993  
**Restoration Begins:** June 6, 1993  
**Restoration Completed:** June 15, 1993

- ▶ Visual contamination was excavated yielding an estimated 852 cubic yards of hazardous waste, which was shipped to Peoria Disposal in Peoria, IL for stabilization.
- ▶ The remaining excavation yielded an estimated 580 cubic yards of special waste, which was shipped to Laidlaw-Roxanna in Edwardsville, IL for disposal.
- ▶ Excavation depth ranged between 1 and 1.5 feet.
- ▶ After grass seed was broadcast, Munie Outdoor Construction Co. crews watered until grass was stable.
- ▶ During the restoration phase, L. Wolf Co. replaced the stone driveway with a 12 X 24 foot concrete pad, per the direction of USACE.
- ▶ Equipment utilized during excavation:
  - Cat 215 Trackhoe (OHM).
  - Case 580 Backhoe (OHM).
  - John Deere 550 Bulldozer (Rental).
  - John Deere 490 Frontloader (Rental).
  - Ingersol-Rand 10-ton Drum Compactor (Rental).
  - Water Truck (Rental).
- ▶ Subcontractors:
  - Beelman Truck Co.
    - Hauled Hazardous Waste
  - Cunningham Trucking Co.
    - Hauled Special Waste
  - Peoria Disposal Company
    - Hazardous Waste Disposal
  - Laidlaw-Roxanna

-Special Waste Disposal.

- Metro East Sand
    - Backfill
    - Topsoil
  - Bellefontaine Quarry
    - Stone
  - L. Wolf Co.
    - Concrete
  - Munie Outdoor Construction Co.
    - Sod Installation and Maintenance
- Quantity Summaries
- See Figure B.1
  - Verification Analytical:
  - See Figure B.2

SITE NAME 203/205 TERRY

SITE #	HAZ CU YD	SPEC CU YD	CA-7 TONS	CA-6 TONS	BACKFILL	SAND	SEED/SOD	ROCK	TOP SOIL	3" STONE	CONCRETE
203/205	852	580			2017 TON		SEED				26.67 SQ YD

**OHM CORPORATION**  
**PROJECT 13407**

## PRE-CHARACTERIZATION SAMPLING RESULTS

**SITE NAME:** 203\205 TERRY

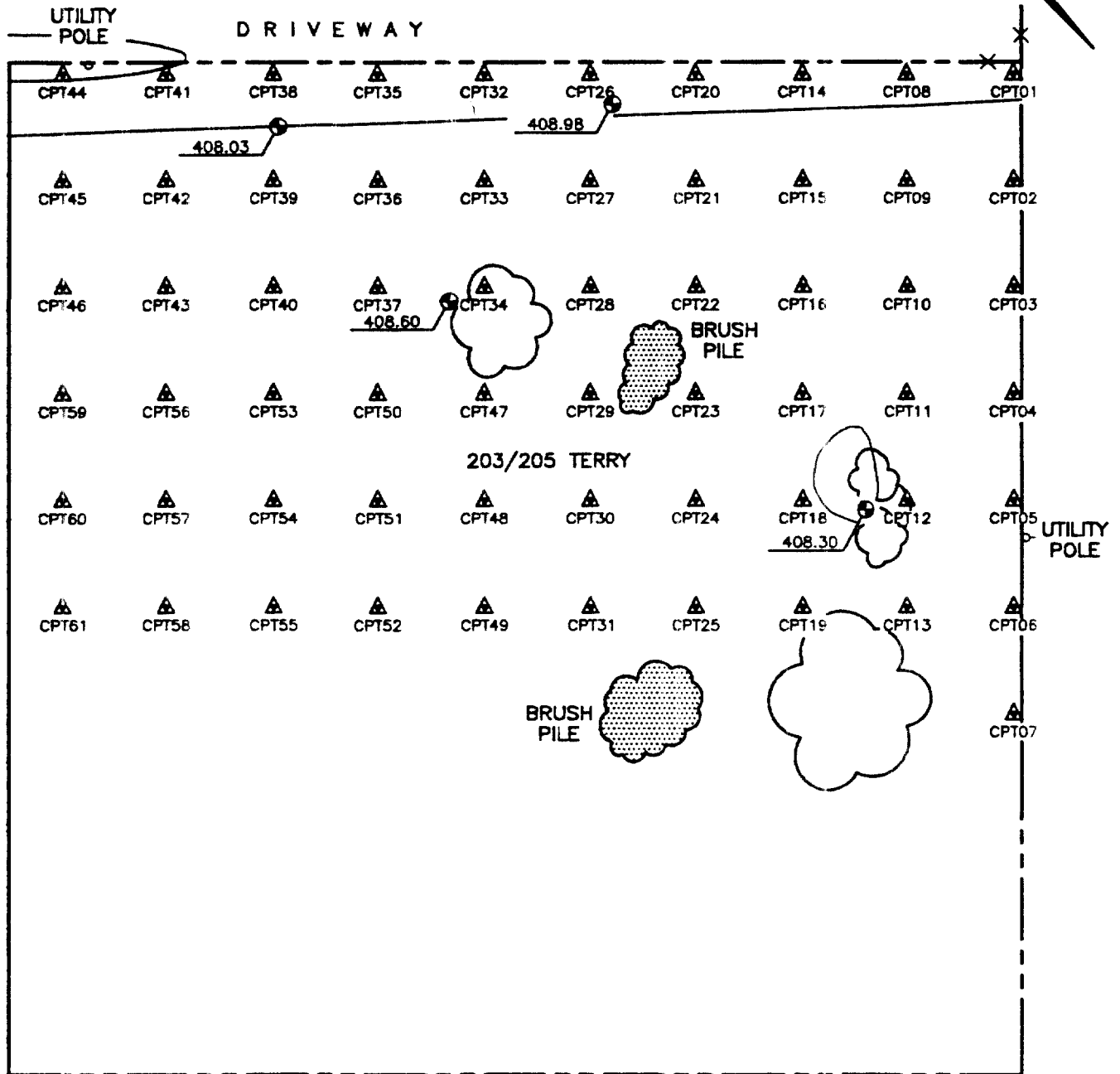
[illegible]

# ECC RESULTS

## 205 TERRY

SECTION NUMBER	RESULTS MG/KG	SECTION NUMBER	RESULTS MG/KG
ST05409	31	ST08839	193
ST05510	56.8	ST08940	408
ST05611	78.5	ST09041	49.3
ST05712	36.2	ST09142	134
ST05813	22.1	ST09344	340
ST05914	174	ST09445	135
ST06015	71.4	ST09748	104
ST06116	76.8	ST09849	217
ST06217	39.7	ST10555	46.3
ST06318	196	ST10656	90
ST06419	193	ST10757	81.4
SST06520	317	ST10858	46.1
ST06621	111	ST10959	177
ST06722	191	ST11060	308
ST06823	64.7	ST11161	73.6
ST06924	31.3	ST11262	160
ST07025	69.3	ST11363	494
ST07126	107	ST11464	34.3
ST10051	16.3	ST11565	80.9
ST07327	245	ST11666	350
ST07428	108	ST11767	32.6
ST07529	150	ST11868	24.8
ST07630	15.2	ST12069	96.5
ST07731	74.4	ST12170	5.6
ST07832	318	ST12271	348
ST10152	47.1	ST12372	16.1
ST08033	65.5	ST12973	51.1
ST010253	22.7		
ST010454	14.2		
ST08334	30.9		
ST08435	424		
ST08536	153		
ST08637	12.7		
ST08738	83.5		

TERRY STREET

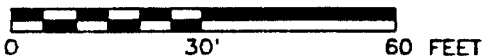


General Notes:



CONFIRMATION POINT

SCALE



REMOTE FILL AREAS:  
203/205 TERRY STREET  
(EAGLE PARK ACRES)

GRANITE CITY  
GRANITE CITY, ILLINOIS



OHM Corporation

Findlay, Ohio

Drawn By:  
L. D. HIGG

Checked By:

Date:  
8-11-93

Approved By:  
J. H. H.

Scale:  
AS SHOWN

Drawing No:  
13407-A2

## **100/201 HILL**

**Action Date:** May 10, 1993  
**Loadout:** June 7, 1993  
**Restoration Begins:** June 8, 1993  
**Restoration Completed:** July 10, 1993

- ▶ Visual contamination was excavated yielding an estimated 309 cubic yards of hazardous waste, which was shipped to Peoria Disposal in Peoria, IL for stabilization.
- ▶ No special waste was excavated.
- ▶ Excavation depth ranged between 14 and 16 inches.
- ▶ After grass seed was broadcast, Munie Outdoor Construction Co. crews watered until grass was stable.
- ▶ Equipment utilized during excavation:
  - Cat 215 Trackhoe (OHM).
  - John Deere 550 Bulldozer (Rental).
  - John Deere 490 Frontloader (Rental).
  - Water Truck (Rental).
- ▶ Subcontractors:
  - Beelman Truck Co.
    - Hauled Hazardous Waste
  - Peoria Disposal Company
    - Hazardous Waste Disposal
  - Metro East Sand
    - Backfill
    - Topsoil
  - Bellefontaine Quarry
    - Stone
  - L. Wolf Co.
    - Concrete



- Munie Outdoor Construction Co.
  - Grass Seed and Maintenance
- ▶ Quantity Summaries:
  - See Figure C.1
- ▶ Verification Analytical:
  - See Figure C.2

SITE NAME 100/201 HILL

SITE #	HAZ CU YD	SPEC CU YD	CA-7 TONS	CA-6 TONS	BACKFILL	SAND	SEED/SOD	ROCK	TOP SOIL	3" STONE	CONCRETE
101/201	309						SEED		450 TON		

**OHM CORPORATION**  
**PROJECT 13407**

## PRE-CHARACTERIZATION SAMPLING RESULTS

**SITE NAME:** 101/201 HILL

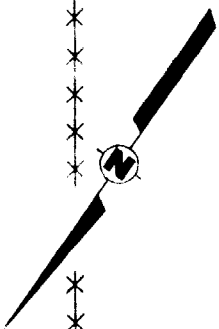
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# ECC RESULTS

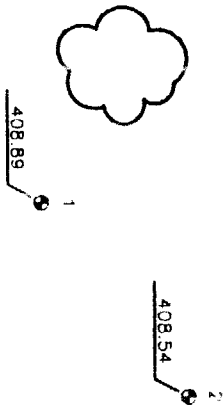
## 100/201 HILL

[illegible]

# 203 HILL ST. PROPERTY



100-201 HILL



BRUSH PILES

TRACE OF BATTERY  
CASING MATERIAL

UTILITY POLE

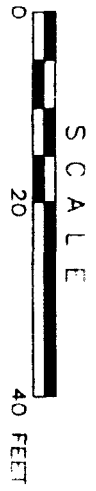
ACTUAL LINE OF PROPERTY UNKNOWN

HILL STREET

ROOSEVELT STREET

General Notes:

NOTE: TALL GRASS AND UNDERBRUSH OVER  
MAJORITY OF PARCEL.



REMOTE FILL AREAS  
100-201 HILL ST.  
(EAGLE PARK ACRES)  
GRANITE CITY  
GRANITE CITY, ILLINOIS



Findlay, Ohio

Drawn By: L.D.HILLIG	Checked By:
Date: 8-12-93	Approved By:
Scale: AS SHOWN	Drawing No: 13407-A5

## 202A Harrison

**Action Date:** May 10, 1993  
**Loadout:** June 8, 1993  
**Restoration Begins:** June 9, 1993  
**Restoration Completed:** July 14, 1993

- ▶ Visual contamination was excavated, yielding an estimated 846 cubic yards of hazardous waste, which was shipped to Peoria Disposal in Peoria, IL for stabilization.
- ▶ No special waste was excavated.
- ▶ Excavation depth ranged between 13 and 15 inches.
- ▶ At sample points number 21, 27, 34, and 42, a trash landfill was discovered at a depth of four feet. OHM was directed by USACE to cover the landfill area with a 40 mil geotextile liner, sand, backfill, and then to cap the area with a 12 inch layer of clay soil.
- ▶ After sod installation, Munie Outdoor Construction Co. crews watered until sod was stable.
- ▶ During the restoration phase, the stone driveway was replaced with concrete, at the direction of USACE.
- ▶ During the remediation activities, the homeowner was housed in a hotel.
- ▶ Equipment utilized during excavation:
  - Cat 215 Trackhoe (OHM).
  - Case 580 Backhoe (OHM).
  - John Deere 550 Bulldozer (Rental).
  - John Deere 490 Frontloader (Rental).
  - Water Truck (Rental).
- ▶ Subcontractors
  - Beelman Truck Co.
    - Hauled Hazardous Waste
  - Peoria Disposal Company
    - Hazardous Waste Disposal

- Metro East Sand
  - Backfill
  - Topsoil
- Bellefontaine Quarry
  - Stone
- L. Wolf Co.
  - Concrete
- Munie Outdoor Construction Co.
  - Sod Installation and Maintenance
- ▶ Quantity Summaries:
  - See Figure D.1
- ▶ Verification Analytical:
  - See Figure D.2

SITE NAME 202A HARRISON

SITE #	HAZ CU YD	SPEC CU YD	CA-7 TONS	CA-6 TONS	BACKFILL	SAND	SEED/SOD	ROCK	TOP SOIL	3" STONE	CONCRETE
202A	846				1789 TON	424 TON	SEED				208.6 SQ YD



OHM CORPORATION  
PROJECT 13407

PRE-CHARACTERIZATION SAMPLING RESULTS

SITE NAME: 202A HARRISON

SAMPLE NUMBER	TOTAL LEAD MG/KG	TCLP LEAD MG/L
SHA001	351	
SHA002	266	
SHA003	513	
SHA004	47	
SHA005	44	
SHA006	45	
SHA007	53	
SHA008	53	
SHA009	36	
SHA010	89	
SHA011	65	
SHA012	ND	
SHA013	104	
SHA014	51	
SHA015	2298	
SHA016	59	
SHA017	246	
SHA018	167	
SHA019	4815	
SHA020	325	
SHA021	3100	
SHA022	192	
SHA023	132	
SHA024	21	
SHA025	146	
SHA026	88	
SHA027	586	
SHA028	158	
SHA029	ND	
SHA030	189	
SHA031	ND	
SHA032	95	
SHA033	ND	
SHA034	559	
SHA035	385	
SHA036	245	
SHA037	160	
SHA038	226	
SHA039	458	
SHA040	517	
SHA041	637	
SHA042	1416	
SHA043	244	
SHA044	195	
SHA045	33	
SHA046	22	
SHA047	ND	
SHA048	123	
SHA049	142	
SHA050	76	
SHA051	188	

# ECC RESULTS

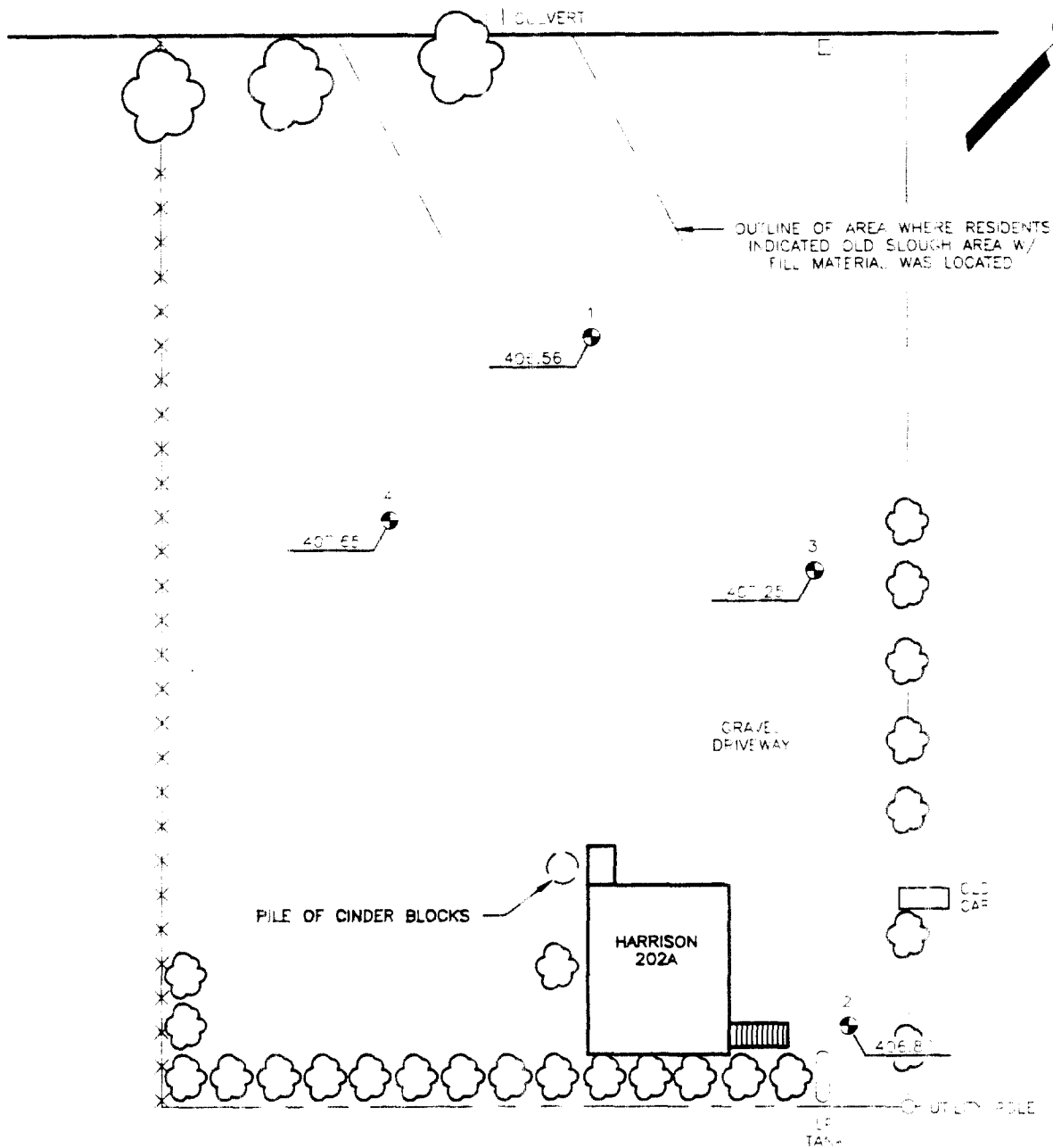
## 202A HARRISON

SECTION NUMBER	RESULTS MG/KG	SECTION NUMBER	RESULTS MG/KG
SHA067	*		
SHA06805	306		
SHA069	*		
SHA07006	360		
SHA07107	215		
SHA07208	284		
SHA07309	14.2		
SHA07410	178		
SHA07511	*		
SHA07612	411		
SHA077	*		
SHA07813	83		
SHA07914	397		
SHA08015	14.9		
SHA081	*		
SHA10231	96.4		
SHA08316	93.8		
SHA08417	114		
SHA08518	325		
SHA08619	52.8		
SHA08720	137		
SHA08821	196		
SHA08922	167		
SHA09023	39.4		
SHA09124	202		
SHA09225	279		
SHA09326	12.7		
SHA09427	40		
SHA09528	33.5		
SHA09629	21.7		
SHA09730	136		

\* SAMPLE POINTS 1, 3, AND 5 WERE NOT COLLECTED FOR CONFIRMATION DUE TO THE DISCOVERY OF THE LANDFILL. THE EXCAVATION WAS HALTED PER USACE

SAMPLE POINTS 9, 10, 11, AND 15 WERE NOT COLLECTED FOR CONFIRMATION SINCE THE AREA WAS TO BE CAPPED WITH CLAY.

# HARRISON STREET



## General Notes

REMOTE FILL AREAS  
202A HARRISON ST  
(LEAGUE PARK ACRES)

GRANITE CITY  
GRANITE CITY, ILLINOIS

**OHM Corporation**  
Findlay, Ohio

Drawn By LDB/SS	Checked By
Date 8-12-93	Approved By
Scale AS SHOWN	Drawing No 13407-A4

**SCALE**  
0 30' 60 FEET

## **ABBOTT AVENUE ALLEY**

**Action Date:** May 13, 1993  
**Loadout:** May 28, 1993  
**Restoration Begins:** June 1, 1993  
**Restoration Completed:** June 30, 1993

- ▶ Visual contamination was excavated yielding an estimated 422 cubic yards of hazardous waste, which was shipped to Peoria Disposal in Peoria, IL for stabilization.
- ▶ The remaining excavation yielded an estimated 120 cubic yards of special waste, which was shipped to Laidlaw-Roxanna in Edwardsville, IL for disposal.
- ▶ Due to the high level of contamination after reaching the USACE predetermined excavation depth of one foot, the excavation was covered with four inches of CA-6 stone and compacted to 95%. The alley was then capped with an eight inch layer of concrete.
- ▶ Equipment utilized during excavation:
  - Case 580 Backhoe (OHM)
  - Komatsu 690 Trackhoe (Rental).
  - John Deere 550 Bulldozer (Rental).
  - John Deere 490 Frontloader (Rental).
  - Water Truck (Rental).
- ▶ Subcontractors
  - Beelman Truck Co.
    - Hauled Hazardous Waste
  - Cunningham Trucking Co.
    - Hauled Special Waste
  - Peoria Disposal Company
    - Hazardous Waste Disposal
  - Laidlaw-Roxanna
    - Special Waste Disposal.
  - Metro East Sand
    - Backfill
    - Topsoil
  - Bellefontaine Quarry

- Stone
- L. Wolf Co.
  - Concrete
- ▶ Quantity Summaries:
  - See Figure E.1
- ▶ Verification Analytical:
  - See Figure E.2

SITE NAME     ABBOTT AVE

SITE #	HAZ CU YD	SPEC CU YD	CA-7 TONS	CA-6 TONS	BACKFILL	SAND	SEED/SOD	ROCK	TOP SOIL	3" STONE	CONCRETE
ABBOTT	422	120								371.7 TON	1000.8 SQ YD

**OHM CORPORATION**  
**PROJECT 13407**

**PRE-CHARACTERIZATION SAMPLING RESULTS**

**SITE NAME: ABBOTT ALLEY**

<b>SAMPLE NUMBER</b>	<b>TOTAL LEAD MG/KG</b>	<b>TCLP LEAD MG/L</b>
SA001	35.9	
SA002	24.6	
SA003	28.2	
SA004	27.9	
SA005	10	
SA006	11.2	
SA007	45.3	
SA008	63.2	
SA009	324	
SA010	37.3	
SA011	49.7	
SA012	30.6	
SA013	4590	
SA014	2620	
SA015	280	
SA016	237	

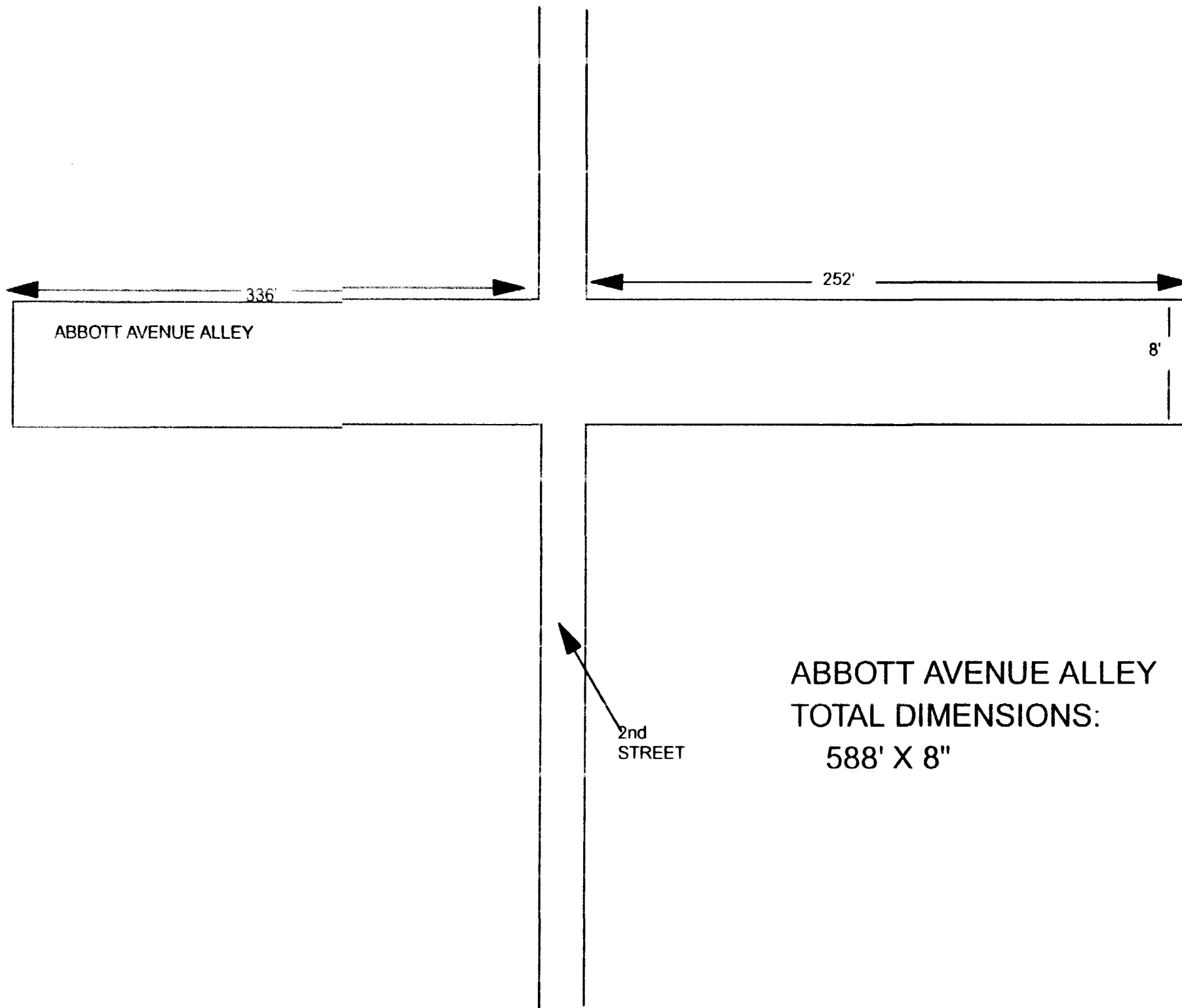
## ECC RESULTS

### ABBOTT ALLEY

[illegible]

ABBOTT ALLEY WAS CAPPED PER USAGE  
DUE TO DEPTH REACHED





## **WEBER AVENUE ALLEY:**

**Action Date:** May 20, 1993  
**Loadout:** June 6, 1993  
**Restoration Begins:** June 9, 1993  
**Restoration Completed:** June 30, 1993

- ▶ Visual contamination was excavated yielding an estimated 547 cubic yards of hazardous waste, which was shipped to Peoria Disposal in Peoria, IL for stabilization.
- ▶ The remaining excavation yielded an estimated 160 cubic yards of special waste, which was shipped to Laidlaw-Roxanna in Edwardsville, IL for disposal.
- ▶ Due to the high level of contamination after reaching the USACE predetermined excavation depth of one foot, the excavation was covered with four inches of CA-6 stone and compacted to 95%. The alley was then capped with an eight inch layer of concrete.
- ▶ Equipment utilized during excavation:
  - Case 580 Backhoe (OHM).
  - Komatsu 690 Trackhoe (Rental)
  - John Deere 550 Bulldozer (Rental).
  - John Deere 490 Frontloader (Rental).
  - Water Truck (Rental).
- ▶ Subcontractors:
  - Beelman Truck Co.
    - Hauled Hazardous Waste
  - Cunningham Trucking Co.
    - Hauled Special Waste
  - Peoria Disposal Company
    - Hazardous Waste Disposal
  - Laidlaw-Roxanna
    - Special Waste Disposal.
  - Metro East Sand
    - Backfill
    - Topsoil

- Bellefontaine Quarry
  - Stone
- L. Wolf Co.
  - Concrete
- ▶ Quantity Summaries:
  - See Figure F.1
- ▶ Verification Analytical:
  - See Figure F.2

SITE NAME     WEBER ALLEY

SITE #	HAZ CU YD	SPEC CU YD	CA-7 TONS	CA-6 TONS	BACKFILL	SAND	SEED/SOD	ROCK	TOP SOIL	3" STONE	CONCRETE
WEBER	547	160								171.7 TON	824.53 SQ YD

**PROJECT 13407**

## PRE-CHARACTERIZATION SAMPLING RESULTS

**SITE NAME: WEBER ALLEY**

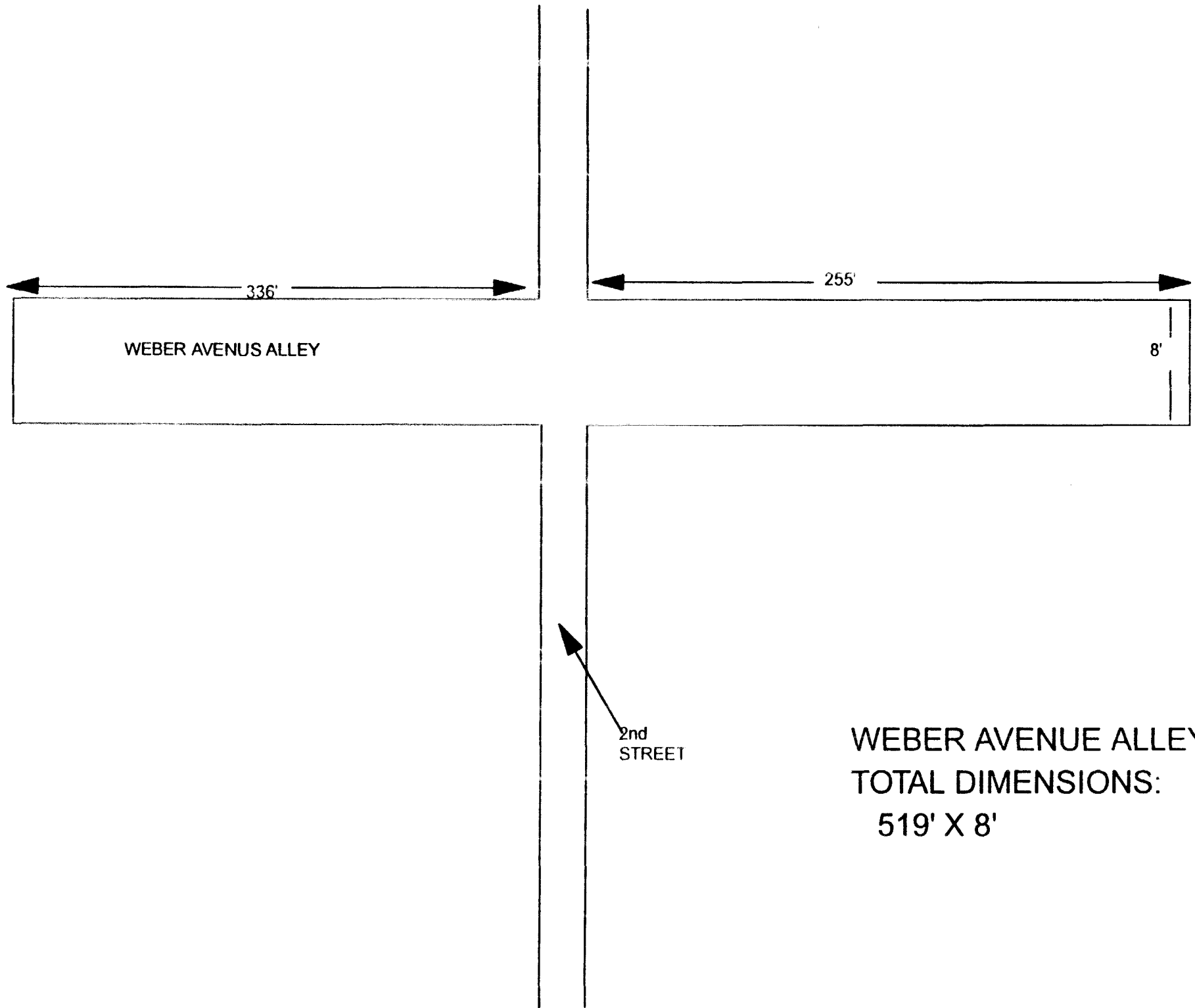
[illegible]

# ECC RESULTS

## WEBER AVENUE

[illegible]

DUE TO DEPTH REACHED IN EXCAVATION AND LABORATORY RESULTS ALL WAS CAPPED WITH 8" OF CONCRETE. THEREFORE CONFIRMATION RESULTS WERE NOT NECESSARY.



WEBER AVENUE ALLEY

336'

255'

8'

2nd  
STREET

WEBER AVENUE ALLEY  
TOTAL DIMENSIONS:  
519' X 8'

## **208 TERRY ST.**

**Action Date:** June 3, 1993  
**Loadout:** July 12, 1993  
**Restoration Begins:** July 6, 1993  
**Restoration Completed:** July 12, 1993

- ▶ Visual contamination was excavated yielding an estimated 701 cubic yards of hazardous waste, which was shipped to Peoria Disposal in Peoria, IL for stabilization.
- ▶ The remaining excavation yielded an estimated 480 cubic yards of special waste, which was shipped to Laidlaw-Roxanna in Edwardsville, IL for disposal.
- ▶ Excavation depth averaged 1 foot.
- ▶ There was no grass seed broadcast on this undeveloped lot per the direction of USACE.
- ▶ Equipment utilized during excavation:
  - Cat 215 Trackhoe (OHM).
  - Case 580 Backhoe (Rental).
  - Cat D-4 Bulldozer (Rental).
  - Komatsu 691 Frontloader (Rental).
  - Water Truck (Rental).
- ▶ Subcontractors:
  - Beelman Truck Co.
    - Hauled Hazardous Waste
  - Cunningham Trucking Co.
    - Hauled Special Waste
  - Peoria Disposal Company
    - Hazardous Waste Disposal
  - Laidlaw-Roxanna.
    - Special Waste Disposal
  - Metro East Sand
    - Backfill



- Topsoil
- ▶ Quantity Summaries:
  - See Figure G.1
- ▶ Verification Analytical:
  - See Figure G.2

SITE NAME      208 TERRY

SITE #	HAZ CU YD	SPEC CU YD	CA-7 TONS	CA-6 TONS	BACKFILL	SAND	SEED/SOD	ROCK	TOP SOIL	3" STONE	CONCRETE
208	701	480			1000 TON	100 TON					

**OHM CORPORATION**  
**PROJECT 13407**

## PRE-CHARACTERIZATION SAMPLING RESULTS

**SITE NAME: 208 TERRY**

[illegible]

# ECC RESULTS

## 208 TERRY

SECTION NUMBER	RESULTS MG/KG	SECTION NUMBER	RESULTS MG/KG
S2T030	76.4	S2T067	*
S2T031	351	S2T068	*
S2T033	74.1	S2T118	364
S2T034	477	S2T123	190
S2T075	203	S2T124	14.7
S2T076	87.4	S2T125	227
S2T037	ND	S2T127	10.6
S2T038	99.3	S2T128	14.7
S2T039	384		
S2T081	*		
S2T041	161		
S2T042	365		
S2T078	85.7		
S2T079	40.3		
S2T082	23.1		
S2T083	48.3		
S2T084	16.3		
S2T114	15.4		
S2T115	6		
S2T087	13.2		
S2T088	27.4		
S2T089	109		
S2T116	161		
S2T054	130		
S2T055	258		
S2T091	272		
S2T092	134		
S2T120	8.7		
S2T095	15.5		
S2T061	174		
S2T119	288		
S2T063	281		
S2T064	271		
S2T066	*		



## 3108 COLGATE

**Action Date:** June 13, 1993  
**Loadout:** June 14, 1993  
**Restoration Begins:** June 15, 1993  
**Restoration Completed:** July 8, 1993

- ▶ Visual contamination was excavated yielding an estimated 18 cubic yards of hazardous waste, which was shipped to Peoria Disposal in Peoria, IL for stabilization.
- ▶ No special waste was excavated.
- ▶ Rolloff boxes were used during loadout activities due to the presence of overhead power lines.
- ▶ Excavation depth averaged one foot.
- ▶ After sod installation, Munie Outdoor Construction Co. crews watered until sod was stable.
- ▶ Equipment utilized during excavation:
  - Bobcat 753 Skid-steer loader (Rental).
  - Kubota KX41 Mini-excavator (Rental).
  - Water Truck (Rental).
- ▶ Subcontractors:
  - Peoria Disposal Company
    - Hazardous Waste Disposal
    - Rolloff Boxes and Transportation
  - Metro East Sand
    - Backfill
    - Topsoil
  - Munie Outdoor Construction Co
    - Sod Installation and Maintenance
- ▶ Quantity Summaries:

- See Figure H.1
- Verification Analytical:
  - See Figure H.2

SITE NAME 3108 COLGATE

SITE #	HAZ CU YD	SPEC CU YD	CA-7 TONS	CA-6 TONS	BACKFILL	SAND	SEED/SOD	ROCK	TOP SOIL	3" STONE	CONCRETE
3108	18						120 SQ YD		20 TON		



**OHM CORPORATION**  
**PROJECT 13407**

**PRE-CHARACTERIZATION SAMPLING RESULTS**

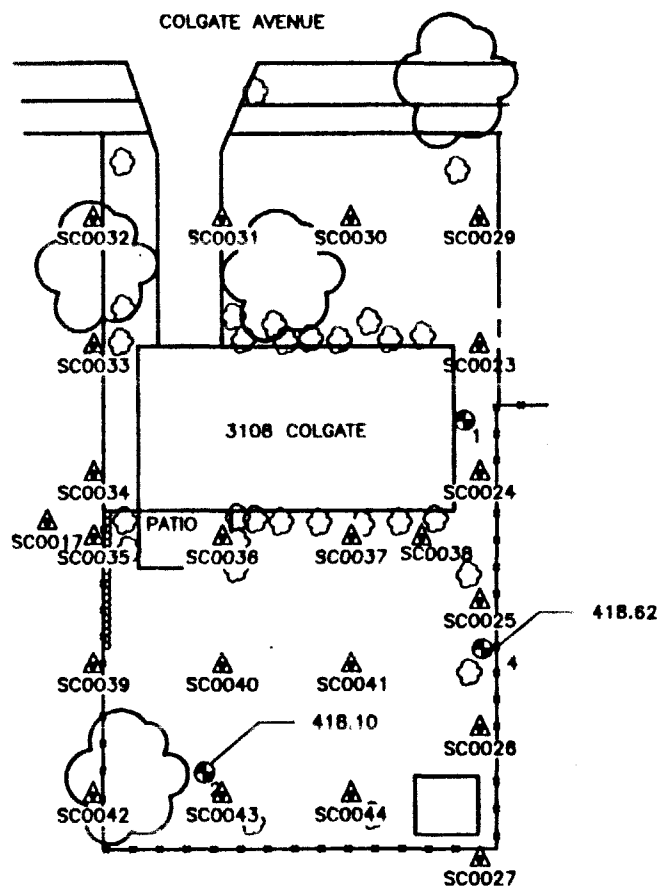
**SITE NAME: 3108 COLGATE**

<b>SAMPLE NUMBER</b>	<b>TOTAL LEAD MG/KG</b>	<b>TCLP LEAD MG/L</b>
SCO001	2052	
SCO002	90	
SCO003	1486	
SCO004	ND	
SCO005	436	
SCO006	ND	
SCO007	364	
SCO008	ND	
SCO009	60	
SCO010	ND	
SCO011	69	
SCO012	ND	
SVO013	ND	
SCO014	ND	
SCO015	ND	
SCO016	ND	
SCO017	17	
SCO018	1250	0.55
SCO019	355	0.037
SCO020	61.2	BDL
SCO021	29	BDL
SCO022	32.7	BDL

**ECC RESULTS**  
**3108 COLGATE**

[illegible]

Gen. Notes:



3108 COLGATE

GRANITE CITY  
GRANITE CITY, ILLINOIS



**OHM Corporation**

Findlay, Ohio

Drawn By:  
D. KROSKE

Checked By:

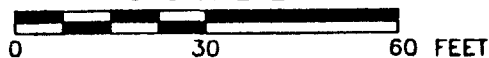
Date:  
87-17-93

Approved By:

Scale:  
AS SHOWN

Drawing No:  
07A00PT

SCALE



## 108 CARVER

**Action Date:** June 14, 1993  
**Loadout:** June 21, 1993  
**Restoration Begins:** June 21, 1993  
**Restoration Completed:** July 8, 1993

- ▶ Visual contamination was excavated yielding an estimated 258 cubic yards of hazardous waste, which was shipped to Peoria Disposal in Peoria, IL for stabilization.
- ▶ No special waste was excavated.
- ▶ Excavation depth averaged 15 inches.
- ▶ After grass seed was broadcast, Munie Outdoor Construction Co. crews watered until grass was stable.
- ▶ During restoration activities, L. Wolfe Co. replaced the stone driveway with concrete as per the direction of USACE.
- ▶ Equipment utilized during excavation:
  - Case 580 Backhoe (OHM)
  - John Deere 550 Bulldozer (Rental)
  - Ingersol-Rand 7.5 Ton Double-drum Roller (Rental)
  - Water Truck (Rental)
- ▶ Subcontractors:
  - Beelman Truck Co.
    - Hauled Hazardous Waste
  - Peoria Disposal Company
    - Hazardous Waste Disposal
  - Metro East Sand
    - Backfill
    - Topsoil
  - Bellefontaine Quarry
    - Stone
  - L. Wolfe Co.
    - Concrete

- Munie Outdoor Construction Co.
  - Grass Seed and Maintenance
- ▶ Quantity Summaries:
  - See Figure I.1
- ▶ Verification Analytical:
  - See Figure I.2

KFILL	SAND	SEED/SOD	ROCK	TOP SOIL	3" STONE	CONCRETE
TON		SEED				16 SQ YD

**OHM CORPORATION**  
**PROJECT 13407**

**PRE-CHARACTERIZATION SAMPLING RESULTS**

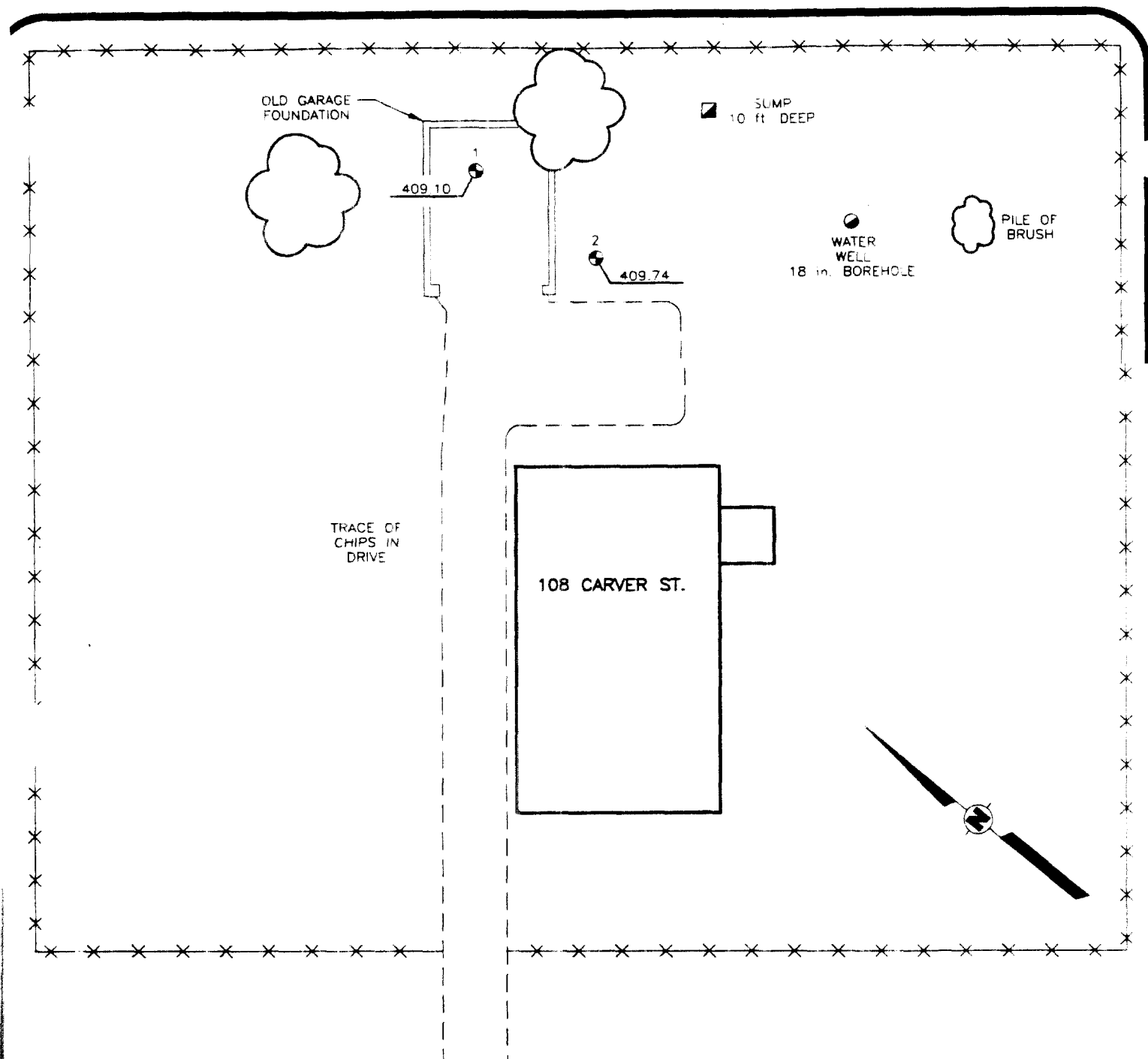
**SITE NAME: 108 CARVER**

<b>SAMPLE NUMBER</b>	<b>TOTAL LEAD MG/KG</b>	<b>TCLP LEAD MG/L</b>
SVA025	1550	1.6
SCA026	81.1	0.082
SCA027	9220	9
SCA028	33.4	BDL
SCA029	122	BDL
SCA030	2690	0.027

## 108 CARVER

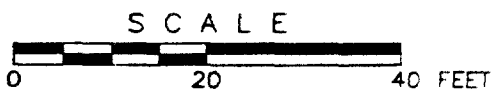
SECTION NUMBER	RESULTS MG/KG	SECTION NUMBER	RESULTS MG/KG
SCA032	305		
SCA033	174		
SCA035	9.2		
SCA036	207		
SCA049	358		
SCA050	19.8		
SCA051	188		
SCA052	206		
SCA053	188		
SCA054	123		
SCA055	117		
SCA056	201		
SCA037	89.9		
SCA038	85.5		
SCA039	93.8		
SCA040	87.5		
SCA041	70.1		
SCA042	230		
SCA043	63.5		
SCA044	70.1		
SCA045	61		
SCA046	116		
SCA047	65.8		
SCA048	68.8		





CARVER STREET

General Notes:



REMOTE FILL AREAS:  
108 CARVER ST.  
(EAGLE PARK ACRES)

GRANITE CITY  
GRANITE CITY, ILLINOIS



**OHM Corporation**

Findlay, Ohio

Drawn By:  
L. DUHIGG

Date:  
8-12-93

Scale:  
AS SHOWN

Checked By:

Approved By:

Drawing No:  
13407-A5

## 2230 CLEVELAND AND 2226 CLEVELAND

**Action Date:** June 16, 1993  
**Loadout:** June 20, 1993  
**Restoration Begins:** June 21, 1993  
**Restoration Completed:** July 8, 1993

- ▶ Visual contamination was excavated yielding an estimated 164 cubic yards of hazardous waste, which was shipped to Peoria Disposal in Peoria, IL for stabilization.
- ▶ No special waste was excavated.
- ▶ Due to the high level of contamination within the driveway area, after reaching the USACE predetermined excavation depth of one foot, the excavation was covered with four inches of CA-6 stone and compacted. The driveway was then capped with an eight inch layer of concrete.
- ▶ After sod installation, Munie Outdoor Construction Co. crews watered until sod was stable.
- ▶ Equipment utilized during excavation:
  - Case 580 Backhoe (OHM).
  - Bobcat 753 (Rental).
  - Ingersoll-Rand 10-ton Smooth Drum Rolling Compactor.
  - Water Truck (Rental).
- ▶ Subcontractors:
  - Beelman Truck Co.
    - Hauled Hazardous Waste
  - Peoria Disposal Company
    - Hazardous Waste Disposal
  - Bellefontaine Quarry
    - Stone
  - L. Wolf Co.
    - Concrete
  - Munie Outdoor Construction
    - Sod Installation and Maintenance

- ▶ Quantity Summaries:
  - See Figure J.1
- ▶ Verification Analytical:
  - See Figure J.2

**QUANTITIES SUMMARY**

**SITE NAME** 2260/2230 CLEVELAND

<b>SITE #</b>	<b>HAZ CU YD</b>	<b>SPEC CU YD</b>	<b>CA-7 TONS</b>	<b>CA-6 TONS</b>	<b>BACKFILL</b>	<b>SAND</b>	<b>SEED/SOD</b>	<b>BACKFILL</b>	<b>ROCK</b>
2260/2230	164	40		75	25 TON		60 SQ YD		

**OHM CORPORATION**  
**PROJECT 13407**

## PRE-CHARACTERIZATION SAMPLING RESULTS

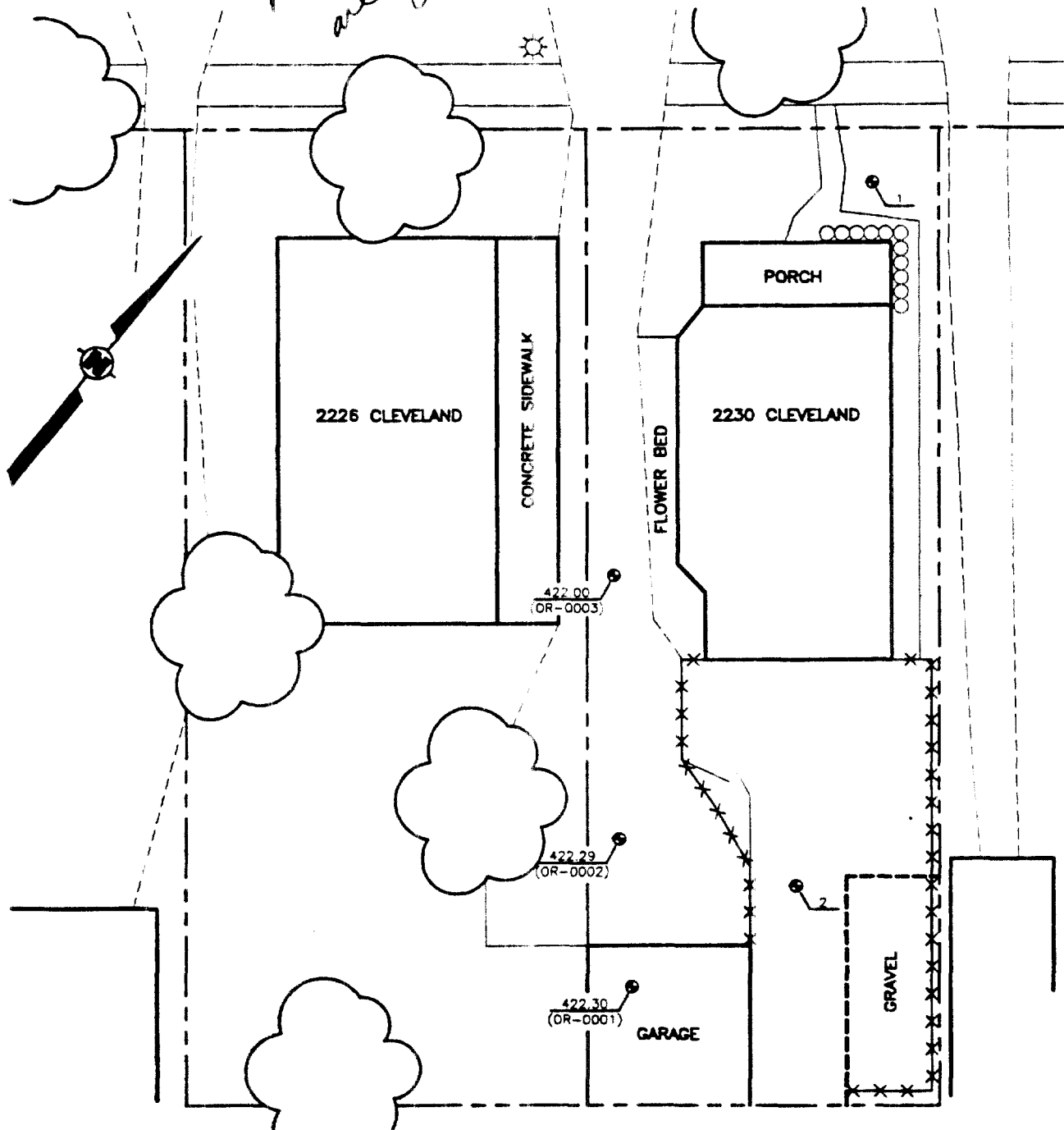
**SITE NAME: 2226\2230 CLEVELAND**

[illegible]

ECC RESULTS  
2226 CLEVELAND

[illegible]

Markings  
are OK



General Notes:



REMOTE FILL AREAS  
2230 CLEVELAND

GRANITE CITY  
GRANITE CITY, ILLINOIS



OHM Corporation

Findlay, Ohio

Drawn By:  
L. D. HIGG

Checked By:

Date:  
8-11-93

Approved By:

Scale:  
AS SHOWN

Drawing No:  
13407-N

## 1628 DELMAR

**Action Date:** June 22, 1993  
**Loadout:** July 9, 1993  
**Restoration Begins:** July 9, 1993  
**Restoration Completed:** July 20, 1993

- ▶ Visual contamination was excavated yielding an estimated 128 cubic yards of hazardous waste, which was shipped to Peoria Disposal in Peoria, IL for stabilization.
- ▶ The remaining excavation yielded an estimated 60 cubic yards of special waste, which was shipped to Laidlaw-Roxanna in Edwardsville, IL for disposal.
- ▶ Excavation depth averaged 12 inches.
- ▶ After sod installation, Munie Outdoor Construction Co. crews watered until sod was stable.
- ▶ During the remediation phase, the gazebo, fence, front porch, sewer line, and water line were damaged. All these items were repaired or replaced during the restoration phase.
- ▶ During the restoration phase, L. Wolf Co. replaced the wooden front porch with a 4' X 8' concrete pad, as per USACE direction.
- ▶ Equipment utilized during excavation:
  - Case 580 Backhoe (Rental).
  - Bobcat 753 Skid-steer Loader (Rental)
  - Water Truck (Rental).
- ▶ Subcontractors:
  - Beelman Truck Co.
    - Hauled Hazardous Waste
  - Cunningham Trucking Co.
    - Hauled Special Waste
  - Peoria Disposal Company
    - Hazardous Waste Disposal
  - Laidlaw-Roxanna



- Special Waste Disposal.
- Metro East Sand
  - Backfill
  - Topsoil
- L. Wolf Co.
  - Concrete
- Munie Outdoor Construction Co.
  - Sod Installation and Maintenance
- ▶ Quantity Summaries:
- See Figure K.1
- ▶ Verification Analytical:
- See Figure K.2

SITE NAME      1628 DELMAR

SITE #	HAZ CU YD	SPEC CU YD	CA-7 TONS	CA-6 TONS	BACKFILL	SAND	SEED/SOD	ROCK	TOP SOIL	3" STONE	CONCRETE
1628	128	60			175 TON		569 SQ YD				30 SQ YD

**OHM CORPORATION**  
**PROJECT 13407**

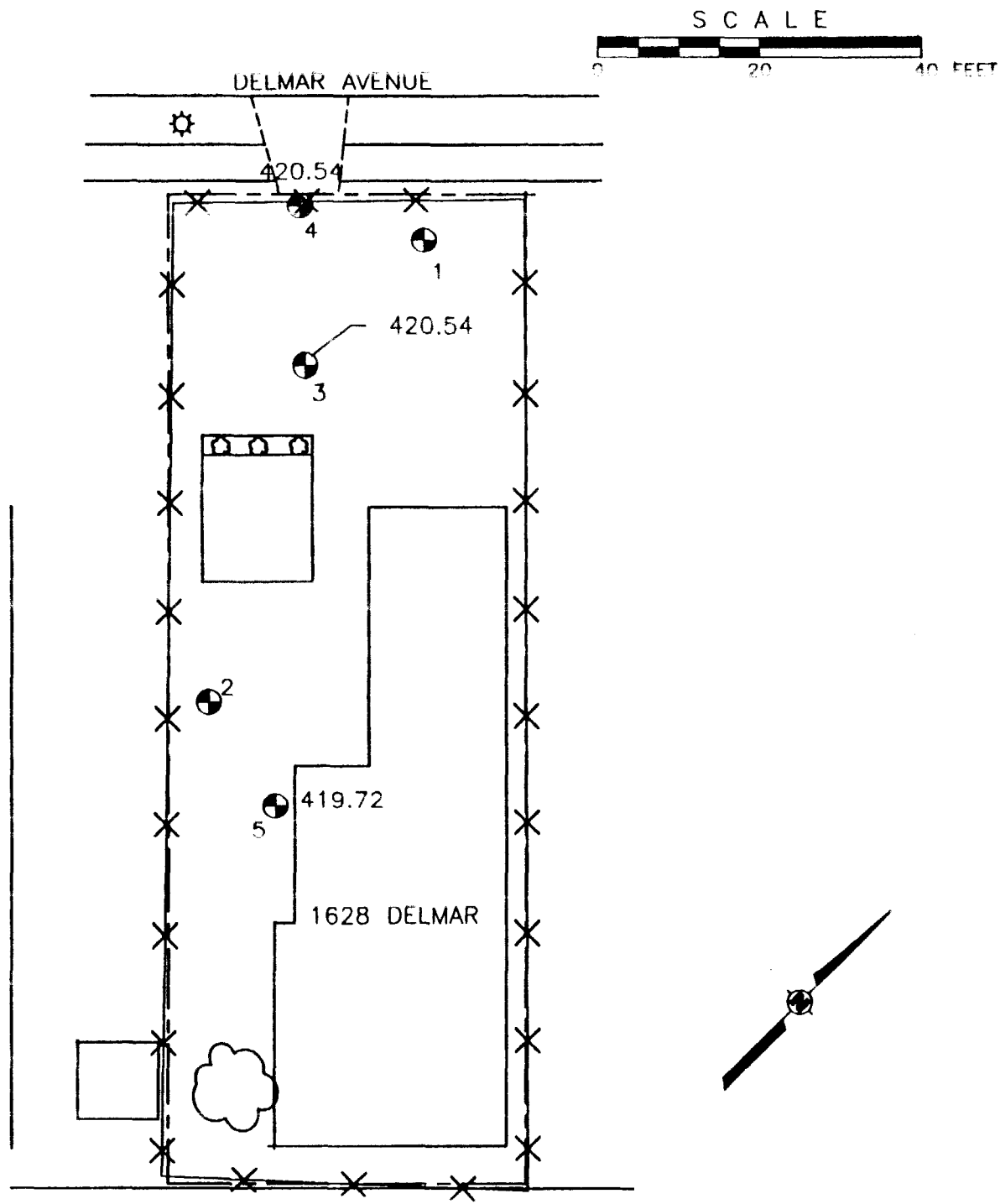
## PRE-CHARACTERIZATION SAMPLING RESULTS

**SITE NAME: 1628 DELMAR**

[illegible]

**ECC RESULTS**  
**1628 DELMAR**

[illegible]



City Notes:

208 TERRY ST.  
(EAGLE PARK ACRES)

GRANITY CITY  
GRANITE CITY, ILLINOIS



**OHM Corporation**  
Findlay, Ohio

Drawn By: D. KROSKE	Checked By:
Date: 87-13-93	Approved By:
Scale: AS SHOWN	Drawing No: 13407-AB

## 210 TERRY STREET

**Action Date:** September 27, 1993  
**Loadout:** October 7, 1993  
**Restoration Begins:** October 7, 1993  
**Restoration Completed:** October 18, 1993

- ▶ Visual contamination was excavated yielding an estimated 592 cubic yards of hazardous waste, which was shipped to Heritage Environmental in Indianapolis, IN for stabilization.

No grass seed was broadcast or sod installed on this undeveloped site, as per direction of USACE.

- ▶ Equipment utilized during excavation:
  - Case 580 Backhoe (OHM).
  - John Deere 550 Bulldozer (Rental).
  - John Deere 644 Front Loader (Rental).
  - John Deere 690 Track Excavator (Rental).
- ▶ Subcontractors:
  - Beelman Truck Co.
    - Hauled Hazardous Waste
  - Heritage Environmental
    - Hazardous Waste Disposal
  - Metro East Sand
    - Backfill
    - Sand
- ▶ Quantity Summaries:
  - See Figure L.1
- ▶ Verification Analytical:
  - See Figure L.2

## QUANTITY SUMMARY

SITE NAME      210 TERRY

SITE #	HAZ CU YD	SPEC CU YD	CA-7 TONS	CA-6 TONS	BACKFILL	SAND	SEED/SOD	ROCK	TOP SOIL
102	592				990 TON				

**OHM CORPORATION**  
**PROJECT 13407**

## PRE-CHARACTERIZATION SAMPLING RESULTS

**SITE NAME:** 210 TERRY(102)

[illegible]



**OHM CORPORATION**  
**PROJECT 13407**

**PRE-CHARACTERIZATION SAMPLING RESULTS**

**SITE NAME: 210 TERRY**

<b>SAMPLE NUMBER</b>	<b>TOTAL LEAD MG/KG</b>	<b>TCLP LEAD MG/L</b>
S102-038	369	11.9
S102-039	47.1	
S102-040	94.1	0.021
S102-041	54.6	
S102-043	88.4	BDL
S102-044	60.8	
S102-046	N/L	BDL
S102-047	27.5	
S102-049	133	BDL
S102-050	115	

**ECC RESULTS  
210 TERRY**

SECTION NUMBER	RESULTS MG/KG	SECTION NUMBER	RESULTS MG/KG
S102-106	27.9	S102-156	11.1
S102-017	112	S102-157	25
S102-108	174	S102-158	11.5
S102-109	128	S102-159	11.8
S102-110	52	S102-160	28.1
S102-111	50.6	S102-161	57.1
S102-112	25.2	S102-162	28.2
S102-113	14.4	S102-163	67
S102-114	108	S102-164	117
S102-115	179	S102-165*	9.7
S102-116	80	S102-166*	23.3
S102-117	19.3	S102-167*	20.4
S102-118	66.6		
S102-119	14.1		
S102-120	166		
S102-121	87.7		
S102-122	14.2		
S102-123	40.6		
S102-124	85.8		
S102-125	47		
S102-126	180		
S102-127	189		
S102-128	8.8		
S102-129	77.6		
S102-130A	138		
S102-131	13.9		
S102-132	40.6		
S102-133	186		
S102-134	26.5		
S102-135	34.5		
S102-136A	148		
S102-137	36.7		
S102-138	142		
S102-139	176		
S102-140	18.6		
S102-141	31.4		
S102-142A	198		
S102-143	30.5		
S102-144	29.7		
S102-145*	105		
S102-146*	156		
S102-147	30		
S102-148	16.6		
S102-149	35.4		
S102-150	11.1		
S102-151	8		
S102-152	41.2		
S102-153	60.6		
S102-154	21.9		
S102-155	28.8		

\*DENOTES DUPLICATE

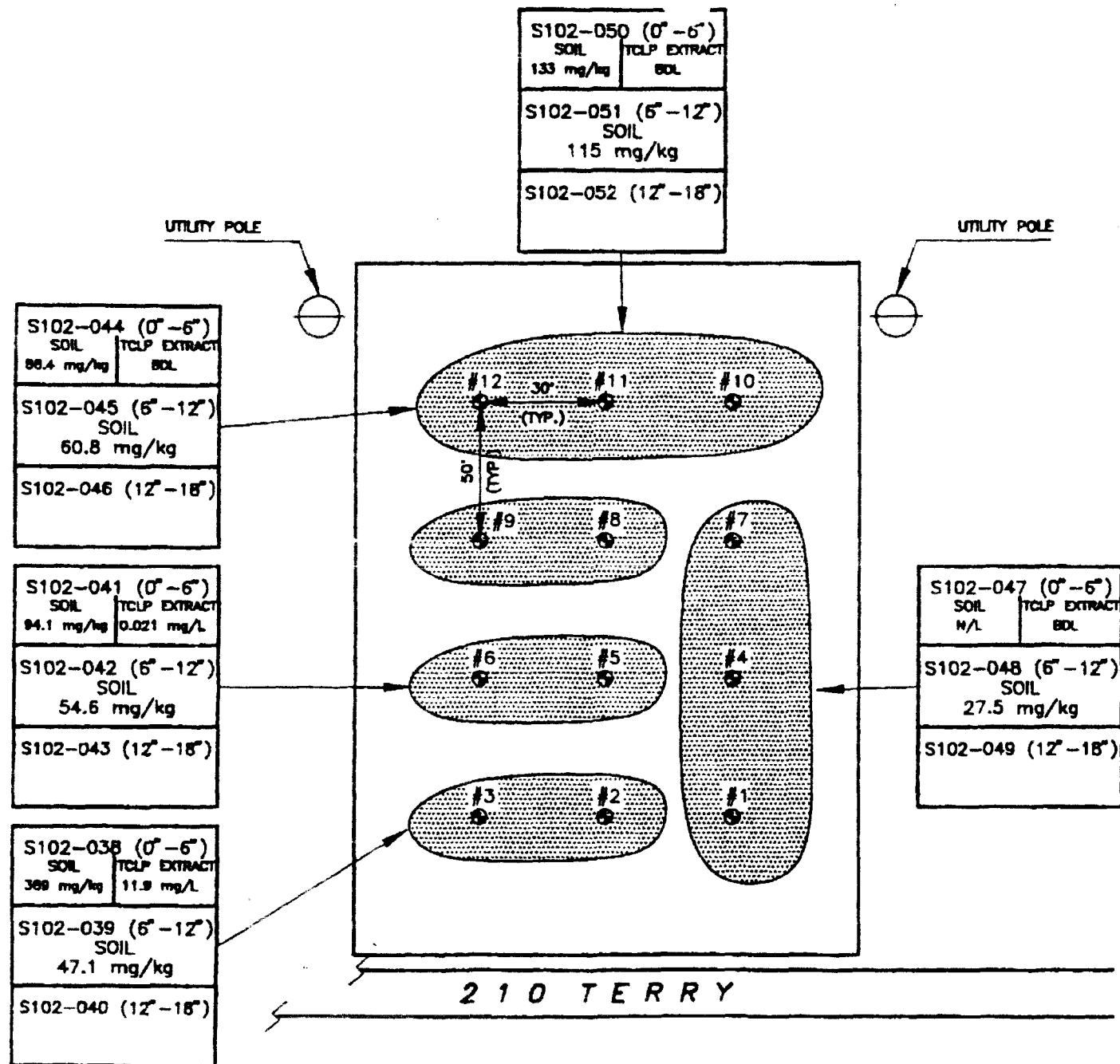
COMPOSITE  
SAMPLE AREAS

SITE MAP  
LOT 102  
GRANITE CITY  
GRANITE CITY, ILLINOIS  
PREPARED FOR  
LEASER  
OMAHA, NEBRASKA



**OHM Corporation**  
Findlay, Ohio

Drawn By: D. KROSKE	Checked By:
Date: 8-23-93	Approved By: <i>Qest</i>
Scale: N.T.S.	Drawing No: LOT102



## ALLEY #44

**Action Date:** September 27, 1993  
**Loadout:** October 8, 1993  
**Restoration Begins:** October 10, 1993  
**Restoration Completed:** October 30, 1993

- ▶ Visual contamination was excavated yielding an estimated 259 cubic yards of hazardous waste, which was shipped to Heritage Environmental in Indianapolis, IN for stabilization.
- ▶ The remaining excavation yielded an estimated 203.5 cubic yards of special waste, which was shipped to Laidlaw Waste Systems in Bridgeton, MO for disposal.
- ▶ Equipment utilized during excavation:
  - Case 580 Backhoe (OHM).
  - John Deere 550 Bulldozer (Rental).
  - John Deere 544 Front Loader (Rental).
  - Ingersol-Rand 7.5 ton Double Drum Roller (Rental).
- ▶ Subcontractors
  - Beelman Truck Co.
    - Hauled Hazardous Waste
  - Cunningham Trucking Co.
    - Hauled Special Waste
  - Heritage Environmental
    - Hazardous Waste Disposal
  - Laidlaw-Bridgeton
    - Special Waste Disposal
  - L. Wolf Co.
    - Concrete
- ▶ Quantity Summaries:
  - See Figure M.1
- ▶ Verification Analytical:
  - See Figure M.2

SITE NAME        ALLEY 44

SITE #	HAZ CU YD	SPEC CU YD	CA-7 TONS	CA-6 TONS	BACKFILL	SAND	SEED/SOD	ROCK	TOP SOIL
44	259	203.5	411.45						

**OHM CORPORATION**  
**PROJECT 13407**

## PRE-CHARACTERIZATION SAMPLING RESULTS

**SITE NAME: ALLEY 44**

[illegible]

**ECC RESULTS**  
**ALLEY 44**

SECTION NUMBER	RESULTS MG/KG	SECTION NUMBER	RESULTS MG/KG
S044-105	159	S044-153A	437
S044-106	294	S044-153B	94.2
S044-107	296	S044-154D	20
S044-107A	49.5	S044-155A	20.1
S044-108	220	S044-156A	210
S044-109	80.9	S044-157B	11.3
S044-110A	28.8	S044-158	161
S044-111	204	S044-158A	61
S044-112	60.8	S044-159A	54.3
S044-114	57.8	S044-160A	11.9
S044-115A	8.8	S044-161A	174
S044-116	32.4	S044-162A	21.1
S044-117	39.6	S044-163A	5.6
S044-119A	194	S044-164	103
S044-120	65.3	S044-164A	53.7
S044-121	67.3	S044-165A	88.7
S044-122	12.8	S044-166	201
S044-123A	147	S044-166A	103
S044-124A	234	S044-167A	17.6
S044-125	121	S044-168A	40.9
S044-127	168	S044-169A	6.4
S044-128	134	S044-172*	161
S044-129A	31.6	S044-173*	237
S044-130	166	S044-174*	177
S044-131	175	S044-180*	23.7
S044-132	290	S044-181*	50.4
S044-133	125		
S044-134B	10.9		
S044-135	188		
S044-136A	446		
S044-136C	45.5		
S044-137A	351		
S044-138	179		
S044-139A	333		
S044-139B	201		
S044-140A	64.7		
S044-141B	76.5		
S044-142D	52.9		
S044-143A	201		
S044-144A	390		
S044-144B	27		
A044-145	154		
A044-146B	113		
S044-147C	23.7		
S044-148A	111		
S044-149C	226		
S044-150B	250		
S044-151	251		
S044-152A	373		
S044-152D	30.6		

\*DENOTES DUPLICATE SAMPLE

Gen Notes:

NOTE: ALL SAMPLES  
WERE TAKEN IN THE  
MIDDLE OF THE ALLEY.



BROADWAY

LINCOLN

KLEIN

S62-007 (0"-6") SOIL 803 mg/kg	S62-007 (0"-6") SOIL 803 mg/kg	S62-007 (0"-6") SOIL 803 mg/kg
S62-008 (6"-12") SOIL 222 mg/kg	S62-008 (6"-12") SOIL 222 mg/kg	S62-008 (6"-12") SOIL 222 mg/kg
S62-009 (12"-18")	S62-009 (12"-18")	S62-009 (12"-18")

ALLEY 44

S62-007 (0"-6") SOIL 803 mg/kg	S62-007 (0"-6") SOIL 803 mg/kg
S62-008 (6"-12") SOIL 222 mg/kg	S62-008 (6"-12") SOIL 222 mg/kg
S62-009 (12"-18")	S62-009 (12"-18")

SIXTH STREET

WASHINGTON

SITE MAP  
ALLEY 44

GRANITE CITY  
GRANITE CITY, ILLINOIS

PREPARED FOR

LEACE  
OMAHA, NEBRASKA



OHM Corporation

Findlay, Ohio

Drawn By:  
L. DUNN

Checked By:

Date:  
8-23-93

Approved By:

Scale:  
NONE

Drawing No:  
ALLEY-44



## 319 WATSON

**Action Date:** September 30, 1993  
**Loadout:** October 14, 1993  
**Restoration Begins:** October 20, 1993  
**Restoration Completed:** January 28, 1993

- ▶ Visual contamination was excavated yielding an estimated 277.5 cubic yards of hazardous waste, which was shipped to Heritage Environmental in Indianapolis, IN for stabilization.
- ▶ The remaining excavation yielded an estimated 18.5 cubic yards of special waste, which was shipped to Laidlaw in Bridgeton, MO for disposal.
- ▶ After grass seed was broadcast,,OHM Corp. crews watered until grass was stable.
- ▶ Equipment utilized during excavation:
  - Case 580 Backhoe (OHM).
  - John Deere 550 Bulldozer (Rental).
  - John Deere 444 Front Loader (Rental).
- ▶ Subcontractors:
  - Beelman Truck Co.
    - Hauled Hazardous Waste
  - Heritage Environmental
    - Hazardous Waste Disposal
  - Cunningham Hauling
    - Hauled Special Waste
  - Laidlaw Waste Systems-Bridgeton
    - Special Waste Disposal
  - Metro East Sand
    - Backfill
    - Topsoil
- ▶ Quantity Summaries:
  - See Figure N.1

► Verification Analytical:

- See Figure N.2

**QUANTITY SUMMARY**

**SITE NAME**      319 WATSON

SITE #	HAZ CU YD	SPEC CU YD	CA-7 TONS	CA-6 TONS	BACKFILL	SAND	SEED/SOD	ROCK	TOP SOIL
101	277.5	18.5			306 TON				

**OHM CORPORATION**  
**PROJECT 13407**

## PRE-CHARACTERIZATION SAMPLING RESULTS

**SITE NAME:** 319 WATSON(101)

<b>SAMPLE NUMBER</b>	<b>TOTAL LEAD MG/KG</b>	<b>TCLP LEAD MG/L</b>
S101-001	44.6	BDL
S101-002	41.7	
S101-004	22.2	BDL
S101-105	38.7	
S101-107	16.8	BDL
S101-108	29.9	
S101-010	45.5	BDL
S101-011	11.3	
S101-013	151	BDL
S101-014	41.3	

**ECC RESULTS**  
**319 WATSON**

[illegible]

\*DENOTES DUPLICATE SAMPLE

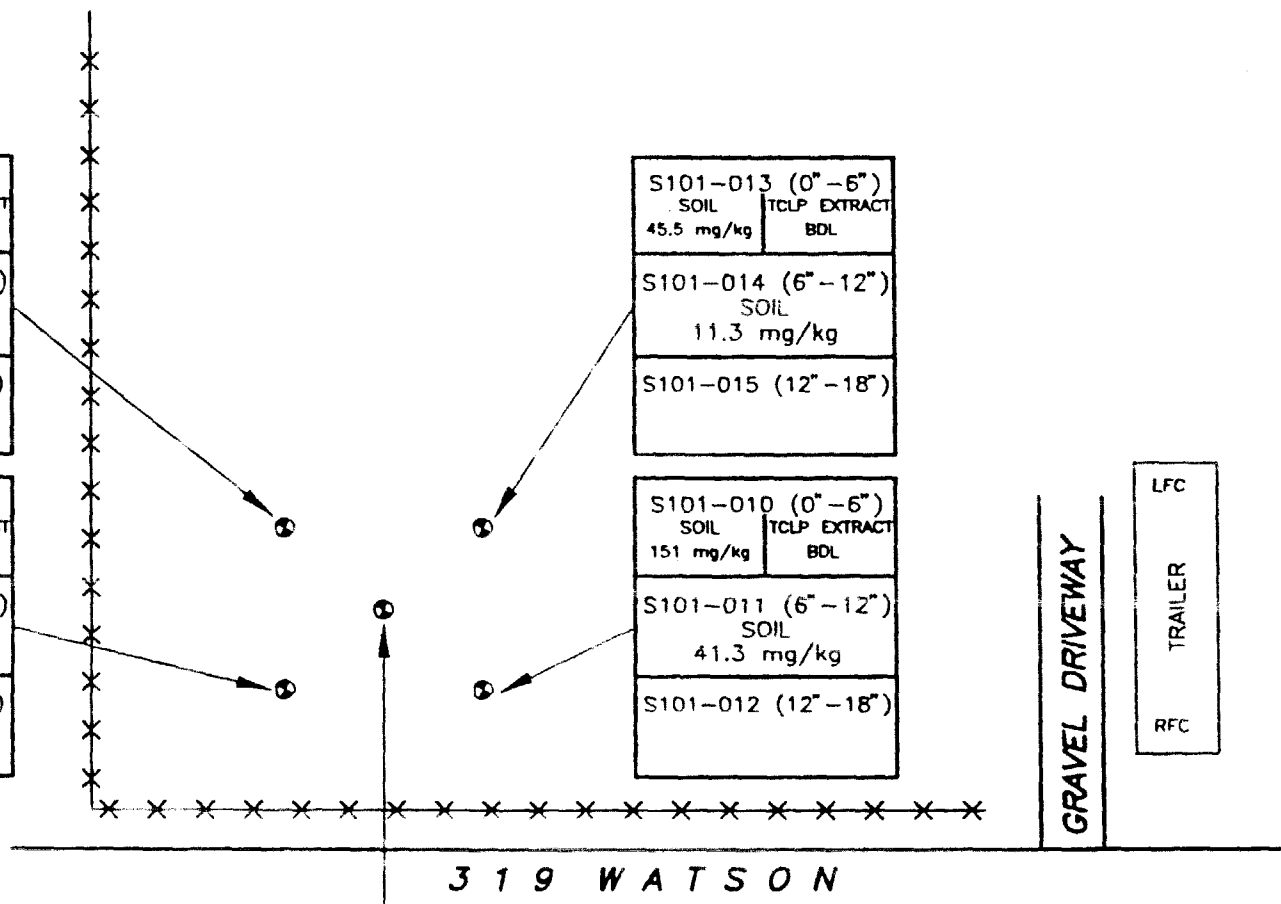
S101-004 (0"-6")
SOIL    TCLP EXTRACT
22.2 mg/kg    BDL
S101-005 (6"-12")
SOIL
38.7 mg/kg
S101-006 (12"-18")

S101-001 (0"-6")
SOIL    TCLP EXTRACT
44.6 mg/kg    BDL
S101-002 (6"-12")
SOIL
41.7 mg/kg
S101-003 (12"-18")

S101-013 (0"-6")
SOIL    TCLP EXTRACT
45.5 mg/kg    BDL
S101-014 (6"-12")
SOIL
11.3 mg/kg
S101-015 (12"-18")

S101-010 (0"-6")
SOIL    TCLP EXTRACT
151 mg/kg    BDL
S101-011 (6"-12")
SOIL
41.3 mg/kg
S101-012 (12"-18")

S101-007 (0"-6")
SOIL    TCLP EXTRACT
16.8 mg/kg    BDL
S101-008 (6"-12")
SOIL
29.9 mg/kg
S101-009 (12"-18")



Notes:		
DISTANCES:		
SAMPLE POINT	TRAILER RFC	TRAILER RBC
1-3	65'	100'
4-6	68'	72'
7-9	45'	72'
10-12	32'	82'
13-15	41'	49'

SITE MAP  
LOT 101  
GRANITE CITY  
GRANITE CITY, ILLINOIS  
PREPARED FOR  
USACE  
OMAHA, NEBRASKA

  
**OHM Corporation**  
Findlay, Ohio

Drawn By: D. KROSKE	Checked By:
Date: 8-23-93	Approved By: <i>QEA</i>
Scale: N.T.S.	Drawing No: LOT101

## ALLEY #45

**Action Date:** October 1, 1993  
**Loadout:** October 13, 1993  
**Restoration Begins:** October 17, 1993  
**Restoration Completed:** November 3, 1993

- ▶ Visual contamination was excavated yielding an estimated 499.5 cubic yards of hazardous waste, which was shipped to Heritage Environmental in Indianapolis, IN for stabilization.
- ▶ The remaining excavation yielded an estimated 129.5 cubic yards of special waste, which was shipped to Laidlaw Waste Systems in Bridgeton, MO for disposal.
- ▶ Equipment utilized during excavation:
  - Case 580 Backhoe (OHM).
  - John Deere 550 Bulldozer (Rental).
  - John Deere 544 Front Loader (Rental).
  - Ingersol-Rand 7.5 ton Double Drum Roller (Rental).
- ▶ Subcontractors:
  - Beelman Truck Co.
    - Hauled Hazardous Waste
  - Cunningham Trucking Co.
    - Hauled Special Waste
  - Heritage Environmental
    - Hazardous Waste Disposal
  - Laidlaw-Bridgeton
    - Special Waste Disposal
  - L. Wolf Co.
    - Rock/Tar Chip
- ▶ Quantity Summaries:
  - See Figure O.1

► Verification Analytical:

- See Figure O.2



SITE NAME        ALLEY 45

SITE #	HAZ CU YD	SPEC CU YD	CA-7 TONS	CA-6 TONS	BACKFILL	SAND	SEED/SOD	ROCK	TOP SOIL
45	499.5	129.5	806.1						

**OHM CORPORATION**  
**PROJECT 13407**

**PRE-CHARACTERIZATION SAMPLING RESULTS**

**SITE NAME:** Alley 45

<b>SAMPLE NUMBER</b>	<b>TOTAL LEAD MG/KG</b>	<b>TCLP LEAD MG/L</b>
S45-001	1910	5.7
S45-002	52.8	
S45-004	25600	40.2
S45-005	525	
S45-007	804	0.075
S45-008	880	
S45-010	129	0.014
S45-011	68.7	
S45-013	60.2	BDL
S45-014	85.2	

**ECC RESULTS**  
**ALLEY 45**

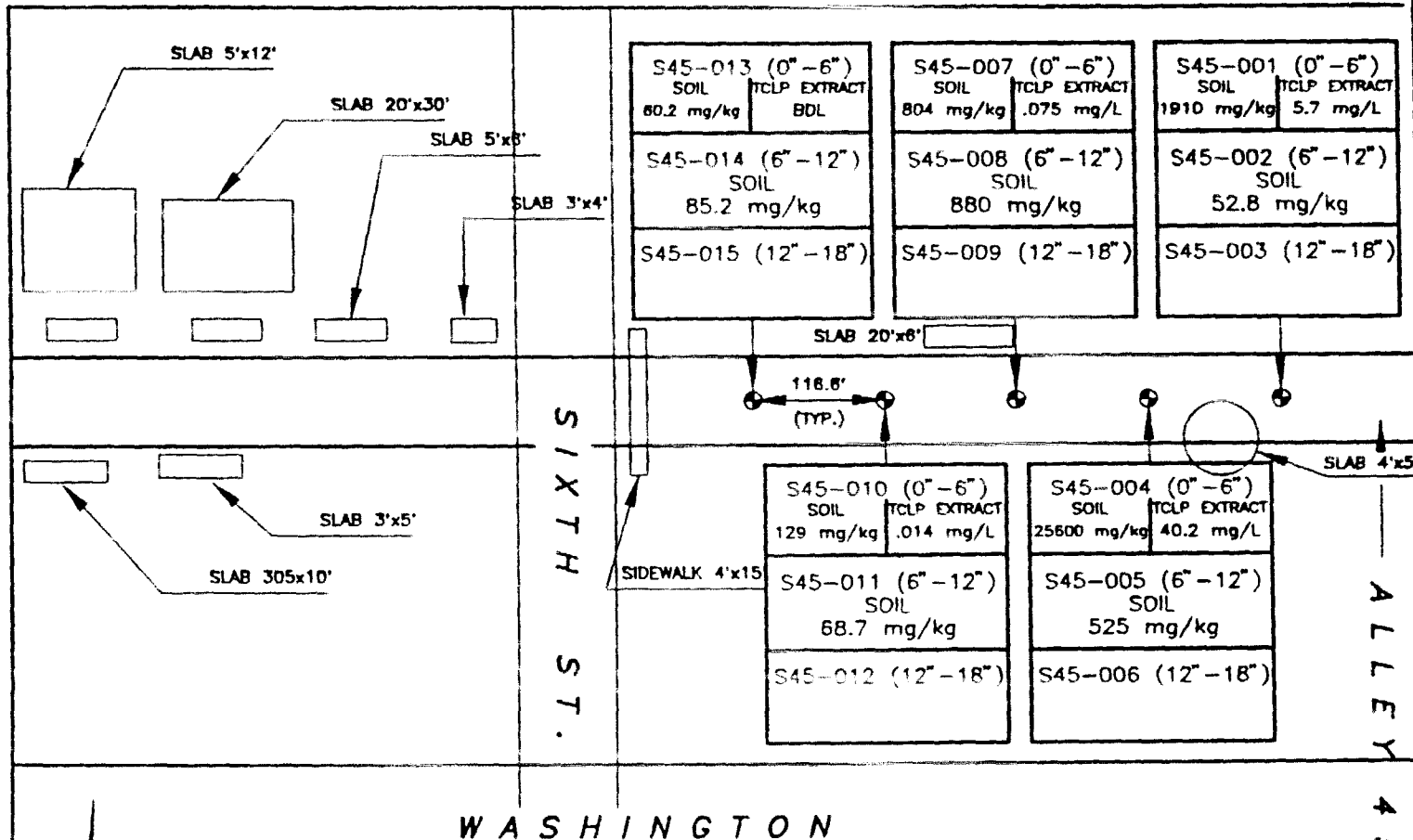
SECTION NUMBER	RESULTS MG/KG	SECTION NUMBER	RESULTS MG/KG
S045-108	25.6	S045-158A	35.2
S045-109	11.8	S045-159B	28.8
S045-110	35.4	S045-160A	225
S045-111	16.9	S045-161B	296
S045-112	98.7	S045-162B	99.2
S045-113	22.6	S045-163B	21.8
S045-114	33.9	S045-164	123
S045-115	100	S045-165A	18.4
S045-116	6.4	S045-166A	114
S045-117A	6.9	S045-167	283
S045-118	14.7	S045-168	78.1
S045-119	30.7	S045-169	23.2
S045-120	136	S045-170	ND
S045-121	30.4	S045-171	10.5
S045-122	53.3	S045-172	117
S045-123	146	S045-173	27.3
S045-124	29.4	S045-174	11
S045-125	12.1	S045-175	187
S045-126A	25.4	S045-176	4.3
S045-127	151	S045-177	86.4
S045-128	13.5	S045-178	87.5
S045-129	90.8	S045-179	13.9
S045-030	149	S045-180	5.8
S045-131	89	S045-181	327
S045-132	400	S045-182	22.7
S045-133	119	S045-183	13.8
S045-134	ND	S045-184	321
S045-135	169	S045-185	21.7
S045-136	18.4	S045-186	28.4
S045-137	9.9	S045-187	3.7
S045-138A	112	S045-188	3.1
S045-139	13.8	S045-200*	100
S045-140	163	S045-201*	4.4
S045-141	12.8	S045-202*	41.8
S045-142	37.4	S045-204*	56.1
S045-143	9.1	S045-205*	12.7
S045-144	126	S045-206*	328
S045-145	23.8	S045-208*	342
S045-146	9.7		
S045-147	63		
S045-148	25		
S045-149	11.2		
S045-150	108		
S045-151A	128		
S045-152	238		
S045-153A	86.7		
S045-154A	38.2		
S045-155A	16		
S045-156	112		
S045-157A	414		

\*DENOTES DUPLICATE SAMPLE

BROADWAY

LINCOLN

KLEIN



Cur: Res:

SITE MAP  
ALLEY 45  
GRANITE CITY  
GRANITE CITY, ILLINOIS  
RETURNED FOR  
LEASE  
OMAHA, NEBRASKA

  
OHM Corporation  
Findlay, Ohio

Drawn By: D. KROSKE	Checked By:
Date: 8-19-93	Approved By:
Scale: N.T.S.	Drawing No: ALL 44/45

## **101/103 Carver St.**

**Action Date:** October 11, 1993  
**Loadout:** November 16, 1993  
**Restoration Begins:** October 22, 1993  
**Restoration Completed:** December 16, 1993

- ▶ Visual contamination was excavated yielding an estimated 166.5 cubic yards of hazardous waste, which was shipped to Envirite for stabilization.
- ▶ The remaining excavation yielded an estimated 203.5 cubic yards of special waste, which was shipped to Laidlaw, Roxanna for disposal.
- ▶ During the remediation phase, a section of siding on the house and part of the blacktop driveway were damaged. Both items were repaired during the restoration phase.
- ▶ Equipment utilized during excavation:
  - Case 580 Backhoe (OHM).
  - Kubota KX41 Mini-Excavator (Rental).
  - John Deere 444 Front Loader (Rental).
  - Case 1840 Skid-Steer Loader (Rental).
- ▶ Subcontractors:
  - Beelman Truck Co.
    - Hauled Hazardous Waste
  - Envirite
    - Hazardous Waste Disposal
  - Cunningham Haulers
    - Hauled Special Waste
  - Laidlaw-Roxana
    - Special Waste Disposal
  - Metro East Sand
    - Backfill
  - Munie Outdoor Construction Co
    - Topsoil
    - Sod

- ▶ Quantity Summaries:
  - See Figure P1
- ▶ Verification Analytical:
  - See Figure P2

## QUANTITY SUMMARY

SITE NAME 101/103 CARVER

SITE #	HAZ CU YD	SPEC CU YD	CA-7 TONS	CA-6 TONS	BACKFILL	SAND	SEED/SOD	ROCK	TOP SOIL
101/013	166.5	203.5			236 TON		1903 SQ YD		

**OHM CORPORATION**  
**PROJECT 13407**

**PRE-CHARACTERIZATION SAMPLING RESULTS**

**SITE NAME:** 101/103 CARVER

<b>SAMPLE NUMBER</b>	<b>TOTAL LEAD MG/KG</b>	<b>TCLP LEAD MG/L</b>
S103-100	259	162
S103-104	141	249
S103-108	153	55.5
S103-112	1290	2080
S103-116	535	134
S103-117	3300	2900
S103-118	1690	1810
S103-119	224	1100
S103-120	314	14
S103-121	212	120
S103-122	27500	20900
S103-123	258	71.4

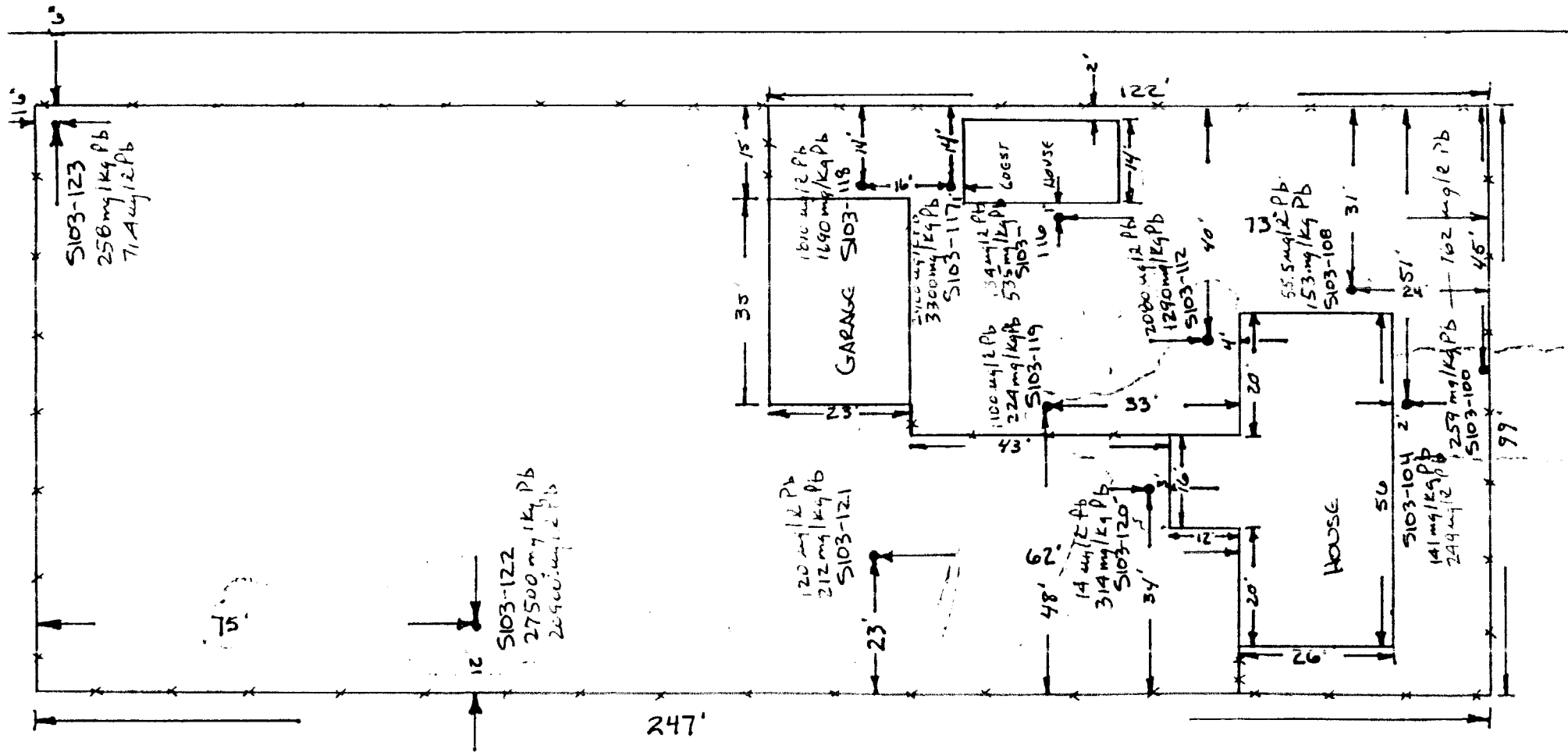


**ECC RESULTS**  
**103 CARVER**

SECTION NUMBER	RESULTS MG/KG	SECTION NUMBER	RESULTS MG/KG
S103A-016	264		
S103A-017	126		
S103A-018	46.4		
S130A-019	49.9		
S103A-020	74.1		
S103A-021	195		
S103A-022	137		
S103A-023	297		
S103A-024	190		
S103A-025B	21.1		
S103A-026	62		
S103-200*	45.4		
S103A-201*	187		
S103B-013A	26.2		
S103B-014	246		
S103B-015	269		
S103B-016A	27.8		
S103B-17A	23.3		
S103B-018	96.3		
S103B-019A	135		
S103B-020A	41.8		
S103B-021	12.5		
S103B-022	298		
S103C-016	281		
S103C-017	111		
S103C-018	165		
S103C-019	142		
S103-020	96		
S103C-021	83.4		
S103C-022B	59.7		
S103C-023	96.1		
S103B-024	68.4		
S103C-025	199		
S103C-026	56.5		
S103C-027	11.8		
S103C-028	28.5		
S103C-029	10.3		
S103C-030B	175		
S103C-031	137		
S103C-033A	61.7		
S103C-034	139		
S103C-035	106		
S103C-036	491		
S103C-037	97.2		
S103C-038B	44.5		
S103C-039A	99		
S103C-040A	76.2		
S103C-200*	88.8		

\*DENOTES DUPLICATE SAMPLE

TCLP data in 12e.  
units mg/L (PPT)



FL ST

SITE 103  
102

KEY - FENCE  
HEAVY AMOUNT OF CHIPS  
1cm = 1ft

Date 9/24/03  
DWG INT. PDC

## Alley #27

**Action Date:** October 14, 1993  
**Loadout:** October 27, 1993  
**Restoration Begins:** October 28, 1993  
**Restoration Completed:** December 17, 1993

- ▶ Visual contamination was excavated yielding an estimated 481 cubic yards of hazardous waste, which was shipped to Heritage Environmental in Indianapolis, IN, and Envirite for stabilization.
- ▶ The remaining excavation yielded an estimated 222 cubic yards of special waste, which was shipped to Laidlaw Waste Systems in Bridgeton, MO for disposal.
- ▶ Equipment utilized during excavation:
  - Case 580 Backhoe (OHM).
  - John Deere 550 Bulldozer (Rental).
  - John Deere 544 Front Loader (Rental).
  - Ingersol-Rand 7.5 ton Double Drum Roller (Rental).
- ▶ Subcontractors:
  - Beelman Truck Co.
    - Hauled Hazardous Waste
- ▶ Fort Transfer
  - Hauled Hazardous Waste
- ▶ Cunningham Trucking Co.
  - Hauled Special Waste
- ▶ Heritage Environmental
  - Hazardous Waste Disposal
- ▶ Envirite
  - Hazardous Waste Disposal
- ▶ Laidlaw-Bridgeton
  - Special Waste Disposal
- ▶ L. Wolf Co.
  - Rock
  - Tar Chip

- ▶ Quantity Summaries:
  - See Figure Q.1
- ▶ Verification Analytical:
  - See Figure Q.2

**SITE NAME**      **ALLEY 27**

<b>SITE #</b>	<b>HAZ CU YD</b>	<b>SPEC CU YD</b>	<b>CA-7 TONS</b>	<b>CA-6 TONS</b>	<b>BACKFILL</b>	<b>SAND</b>	<b>SEED/SOD</b>	<b>ROCK</b>	<b>TOP SOIL</b>
27	481	222	640.23						

**OHM CORPORATION**  
**PROJECT 13407**

**PRE-CHARACTERIZATION SAMPLING RESULTS**

**SITE NAME: ALLEY 27**

<b>SAMPLE NUMBER</b>	<b>TOTAL LEAD MG/KG</b>	<b>TCLP LEAD MG/L</b>
S027-100	243	592
S027-101	10100	8340
S027-102	619	58.3
S027-103	574	22.4
S027-104	414	14

**ECC RESULTS**  
**ALLEY 27**

SECTION NUMBER	RESULTS MG/KG	SECTION NUMBER	RESULTS MG/KG
S027-108	66.9	S027-168A	19.5
S027-109	103	S027-169A	160
S027-110	46	S027-170	167
S027-111	90	S027-170A	23.8
S027-112	261	S027-171A	30.8
S027-113	180	S027-172A	122
S027-114	32.5	S027-173A	127
S027-115	95.4	S027-174A	22.6
S027-116	12.4	S027-175A	26.7
S027-117	104	S027-176	145
S027-118	112	S027-176A	57.6
S027-119	34.1	S027-177A	22.4
S027-120	55.8	S027-178A	35
S027-121	76.2	S027-179A	200
S027-122B	27.3	S027-180A	9.7
S027-123B	27.1	S027-181A	33.7
S027-124A	31	S027-182A	39.4
S027-125A	32.8	S027-183A	11.5
S027-126A	244	S027-184A	26.8
S027-127	28.9	S027-185C	130
S027-128A	102	S027-186A	20.7
S027-129A	77.7	S027-187	83.8
S027-130	182	S027-187A	11.8
S027-131	284	S027-188A	30.3
S027-132A	13.5	S027-189B	124
S027-133A	17.4	S027-190A	12.2
S027-134A	64.6	S027-191A	71.8
S027-135A	13.4	S027-192A	15.6
S027-136	211	S027-193	48
S027-137A	48	S027-193A	29.1
S027-138A	22.1	S027-194	161
S027-139	110	S027-194	114
S027-140A	110	S027-195	145
S027-141	80.8	S027-195A	23.5
S027-142A	19.3	S027-196	39.4
S027-143A	157	S027-196A	19.9
S027-144	89.2	S027-197A	68.2
S027-145A	18.2	S027-198	61.3
S027-146	141	S027-198A	36.4
S027-147	71.2	S027-199	94.9
S027-148	57.7	S027-199A	21.8
S027-149	90.9	S027-300A	90.8
S027-150	32.1	S027-301	154
S027-151	39.1	S027-301A	5.4
S027-152	131	S027-302A	144
S027-153A	15.2	S027-303	63.3
S027-154A	73	S027-303A	108
S027-155A	15.5	S027-202*	107
S027-156	70.5	S027-206*	172
S027-156A	18.2	S027-207*	17.3
S027-157A	39.5	S027-214*	19.7
S027-158A	98.5	S027-215*	85.4
S027-159A	93	S027-216*	21.1
S027-161A	44.4	S027-217*	23.5
S027-162A	158	S027-218*	46.7
S027-163A	30.7	S027-219*	35.7
S027-164A	51.7	S027-220*	10.8
S027-165A	22.7	S027-221*	52.4
S027-166A	30.7		
S027-167A	47.9		

\*DENOTES DUPLICATE SAMPLE

ALLEN

ROGAN

MERIDOCIA

S27-013 (0"-6")	
SOIL	TCLP EXTRACT
1080 mg/kg	.45 mg/L
S27-014 (6"-12")	
SOIL	
395 mg/kg	
S27-015 (12"-18")	

S27-007 (0"-6")	
SOIL	TCLP EXTRACT
237 mg/kg	.55 mg/L
S27-008 (6"-12")	
SOIL	
45.5 mg/kg	
S27-009 (12"-18")	

S27-001 (0"-6")	
SOIL	TCLP EXTRACT
269 mg/kg	.20 mg/L
S27-002 (6"-12")	
SOIL	
137 mg/kg	
S27-003 (12"-18")	

S27-010 (0"-6")	
SOIL	TCLP EXTRACT
475 mg/kg	.053 mg/L
S27-011 (6"-12")	
SOIL	
66.0	
S27-012 (12"-18")	

S27-004 (0"-6")	
SOIL	TCLP EXTRACT
2140 mg/kg	.54 mg/L
S27-005 (6"-12")	
SOIL	
87.0 mg/kg	
S27-006 (12"-18")	

130'  
(TYP.)

Notes:

SITE MAP  
ALLEY 27  
GRANITE CITY  
GRANITE CITY, ILLINOIS  
PREPARED FOR  
LEASE  
OMAHA, NEBRASKA

  
**OHM Corporation**  
Findlay, Ohio

Drawn By: D. KROSKE	Checked By:
Date: 8-18-93	Approved By: QKH.
Scale: N.T.S.	Drawing No: ALLEY-27



## ALLEY #28

**Action Date:** October 14, 1993  
**Loadout:** October 25, 1993  
**Restoration Begins:** October 25, 1993  
**Restoration Completed:** December 17, 1993

- ▶ Visual contamination was excavated yielding an estimated 370 cubic yards of hazardous waste, which was shipped to Heritage Environmental in Indianapolis, IN, and Envirite for stabilization.
- ▶ The remaining excavation yielded an estimated 18 cubic yards of special waste, which was shipped to Laidlaw Waste Systems in Bridgeton, MO for disposal.
- ▶ Equipment utilized during excavation:
  - Case 580 Backhoe (OHM).
  - John Deere 550 Bulldozer (Rental).
  - John Deere 544 Front Loader (Rental).
  - Ingersol-Rand 7.5 ton Double Drum Roller (Rental).
- ▶ Subcontractors:
  - Beelman Truck Co.
    - Hauled Hazardous Waste
  - Fort Transfer
    - Hauled Hazardous Waste
  - Cunningham Trucking Co.
    - Hauled Special Waste
  - Heritage Environmental
    - Hazardous Waste Disposal
  - Envirite
    - Hazardous Waste Disposal
  - Laidlaw-Bridgeton
    - Special Waste Disposal
  - L. Wolf Co.
    - Rock
    - Tar Chip

- ▶ Quantity Summaries:
  - See Figure R.1
- ▶ Verification Analytical:
  - See Figure R.2

**SITE NAME**      **ALLEY 28**

<b>SITE #</b>	<b>HAZ CU YD</b>	<b>SPEC CU YD</b>	<b>CA-7 TONS</b>	<b>CA-6 TONS</b>	<b>BACKFILL</b>	<b>SAND</b>	<b>SEED/SOD</b>	<b>ROCK</b>	<b>TOP SOIL</b>
28	370	18.5	704.08						

**OHM CORPORATION**  
**PROJECT 13407**

**PRE-CHARACTERIZATION SAMPLING RESULTS**

**SITE NAME: ALLEY 28**

<b>SAMPLE NUMBER</b>	<b>TOTAL LEAD MG/KG</b>	<b>TCLP LEAD MG/L</b>
S028-100	83.4	64.2
S028-101	398	46.7
S028-102	2530	610
S028-103	2310	994
S028-104	601	57.5

**ECC RESULTS**  
**ALLEY 28**

SECTION NUMBER	RESULTS MG/KG	SECTION NUMBER	RESULTS MG/KG
S028-105A	25	S028-156A	19.5
S028-106	188	S028-157	60.1
S028-107	83.9	S028-158A	72.7
S028-108	16.4	S028-159	187
S028-109	231	S028-160A	89.3
S028-110A	55.7	S028-161A	22.1
S028-111	98.5	S028-162	133
S028-112	206	S028-163	185
S028-113A	129	S028-164	270
S028-114	277	S028-165	157
S028-115A	199	S028-166A	22.1
S028-116	91	S028-167A	22.8
S028-117	254	S028-168B	58.3
S028-118A	45.5	S028-169A	34.5
S028-119B	151	S028-170A	175
S028-120B	44.3	S028-171	267
S028-121	96.4	S028-172A	71.6
S028-122	440	S028-173A	27.9
S028-123	107	S028-174	182
S028-124A	210	S028-175A	26.9
S028-125A	129	S028-176	293
S028-126A	189	S028-177A	16.3
S028-127	202	S028-178	217
S028-128A	162	S028-179A	164
S028-129A	133	S028-180	23.4
S028-130	229	S028-181	181
S028-131A	48.2	S028-182	207
S028-132A	105	S028-183	100
S028-133A	102	S028-184	231
S028-134A	249	S028-185	113
S028-135A	184	S028-186	186
S028-136	21.3	S028-187	50.2
S028-137C	28.2	S028-188A	222
S028-138A	92.9	S028-189A	14.1
S028-139A	202	S028-190	123
S028-140A	77.8	S028-191A	8.8
S028-141A	157	S028-192	76.6
S028-142B	283	S028-200*	102
S028-143A	79.4	S028-201*	235
S028-144A	23.1	S028-202*	182
S028-145A	286	S028-205*	66.9
S028-146B	10.3	S028-208*	206
S028-147A	133	S028-209*	176
S028-148	174	S028-210*	32.4
S028-149A	50.4	S028-211*	20.5
S028-150A	15.2	S028-212*	15.4
S028-151	263	S028-214*	42.4
S028-153	251		
S028-154	236		
S028-155A	10		

\*DENOTES DUPLICATE

COLLEGE

ALLEN

MERIDOCIA

S28-013 (0"-6")	
SOIL	TCLP EXTRACT
427 mg/kg	.12 mg/L
S28-014 (6"-12")	
SOIL	
58.9 mg/kg	
S28-015 (12"-18")	

S28-007 (0"-6")	
SOIL	TCLP EXTRACT
316 mg/kg	.81 mg/L
S28-008 (6"-12")	
SOIL	
280 mg/kg	
S28-009 (12"-18")	

S28-001 (0"-6")	
SOIL	TCLP EXTRACT
171 mg/kg	.043 mg/L
S28-002 (6"-12")	
SOIL	
45.7 mg/kg	
S28-003 (12"-18")	

S28-010 (0"-6")	
SOIL	TCLP EXTRACT
76700 mg/kg	247 mg/L
S28-011 (6"-12")	
SOIL	
352 mg/kg	
S28-012 (12"-18")	

S28-004 (0"-6")	
SOIL	TCLP EXTRACT
261 mg/kg	.048 mg/L
S28-005 (6"-12")	
SOIL	
32.4 mg/kg	
S28-006 (12"-18")	

120'  
(TYP.)

6

Notes:

SITE MAP  
ALLEY 28  
GRANITE CITY  
GRANITE CITY, ILLINOIS  
PREPARED FOR  
USACE  
OMAHA, NEBRASKA



OHM Corporation  
Findlay, Ohio

Drawn By: D. KROSKE	Checked By:
Date: 8-18-93	Approved By: <i>[Signature]</i>
Scale: N.T.S.	Drawing No: ALLEY-28

## 125 CARVER STREET

**Action Date:** October 18, 1993  
**Loadout:** November 2, 1993  
**Restoration Begins:** November 18, 1993  
**Restoration Completed:** December 6, 1993

- ▶ Visual contamination was excavated yielding an estimated 108 cubic yards of hazardous waste, which was shipped to Envirite for stabilization.
- ▶ No special waste was excavated.
- ▶ After sod installation, Munie Outdoor Construction Co. crews watered until sod was stable.
- ▶ During excavation activities, an electrical line running from the house to the garage was severed. This was repaired the same day.
- ▶ Equipment utilized during excavation:
  - Kubota KX41 Mini-Excavator (Rental).
  - Case 1840 Skid-Steer Loader (Rental).
- ▶ Subcontractors:
  - Envirite Transportation
    - Hauled Hazardous Waste
  - Envirite
    - Hazardous Waste Disposal
  - Metro East Sand
    - Backfill
  - Munie Outdoor Construction Co.
    - Sod Installation
- ▶ Quantity Summaries:
  - See Figure S.1
- ▶ Verification Analytical:
  - See Figure S.2

SITE NAME      125 CARVER

SITE #	HAZ CU YD	SPEC CU YD	CA-7 TONS	CA-6 TONS	BACKFILL	SAND	SEED/SOD	ROCK	TOP SOIL
125	108			48.6	72 TONS		315 SQ YD		41



**OHM CORPORATION**  
**PROJECT 13407**

## PRE-CHARACTERIZATION SAMPLING RESULTS

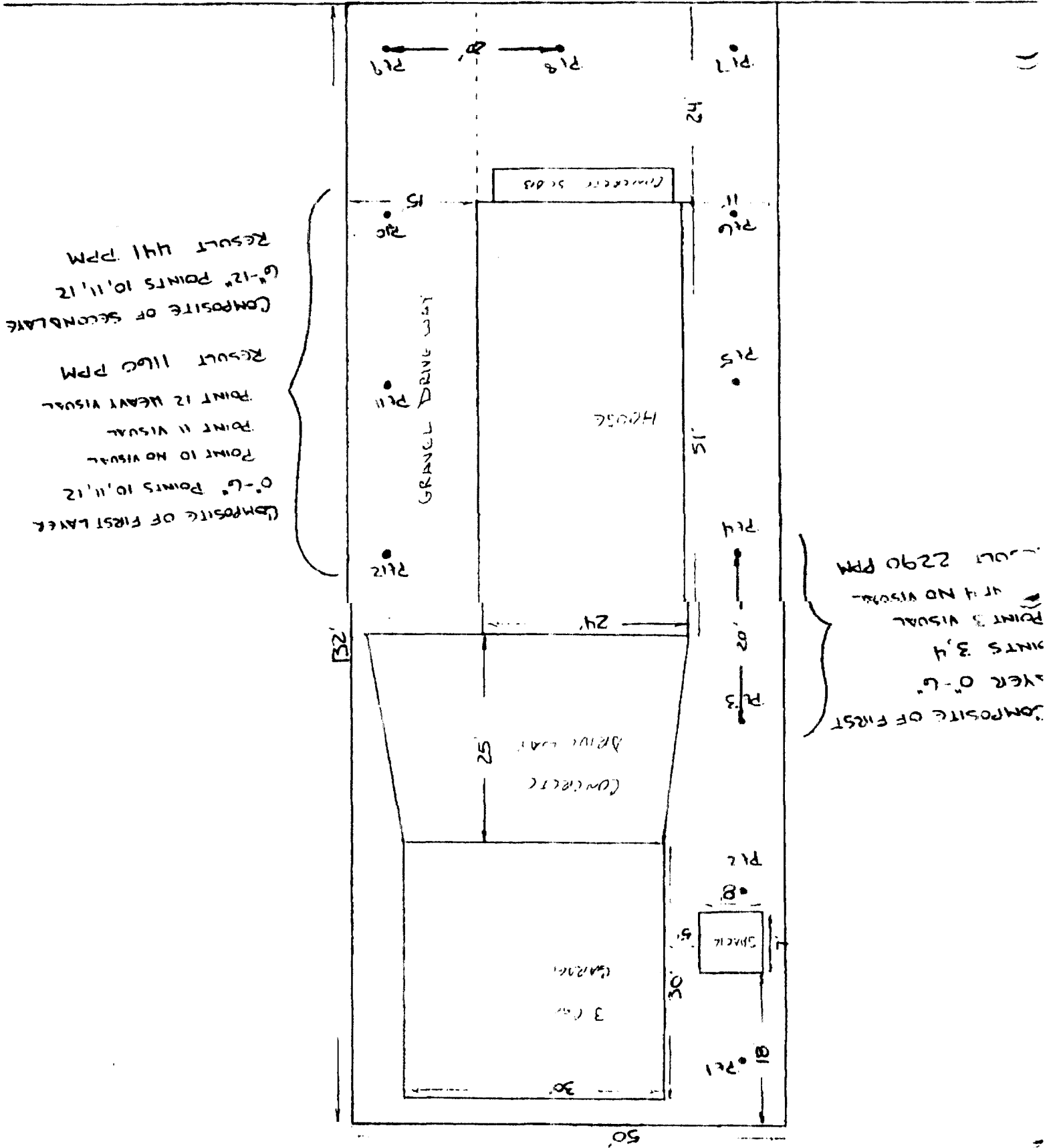
**SITE NAME:** 125 CARVER

SAMPLE NUMBER	TOTAL LEAD MG/KG	TCLP LEAD MG/L
S125-001	69.1	
S125-002	102	
S125-004	2290	
S125-005	108	
S125-007	133	
S125-008	55.5	
S125-010	77.2	
S125-011	101	
S125-013	1160	
S125-014	441	

**ECC RESULTS**  
**125 CARVER**

[illegible]

\* DENOTES DUPLICAT



## ALLEY #21

**Action Date:** October 26, 1993  
**Loadout:** November 5, 1993  
**Restoration Begins:** November 6, 1993  
**Restoration Completed:** December 10, 1993

- ▶ Visual contamination was excavated yielding an estimated 253.16 cubic yards of hazardous waste, which was shipped to Heritage Environmental in Indianapolis, IN, and Peoria Disposal Co. in Peoria, IL for stabilization.
- ▶ The remaining excavation yielded an estimated 240.5 cubic yards of special waste, which was shipped to Laidlaw Waste Systems in Bridgeton, MO for disposal.
- ▶ During excavation activities, a cable TV line running the length of the alley was severed. This was repaired during the restoration phase.
- ▶ Equipment utilized during excavation:
  - Case 580 Backhoe (OHM).
  - John Deere 550 Bulldozer (Rental).
  - John Deere 544 Front Loader (Rental).
  - Ingersol-Rand 7.5 ton Double Drum Roller (Rental).
- ▶ Subcontractors:
  - Beelman Truck Co.
    - Hauled Hazardous Waste
  - Fort Transfer
    - Hauled Hazardous Waste
  - Cunningham Trucking Co.
    - Hauled Special Waste
  - Heritage Environmental
    - Hazardous Waste Disposal
  - Peoria Disposal Co.
    - Hazardous Waste Disposal
  - Laidlaw-Bridgeton
    - Special Waste Disposal

- L. Wolf Co.
  - Rock
  - Tar Chip
- Quantity Summaries:
  - See Figure T.1
- Verification Analytical:
  - See Figure T.2

**SITE NAME**      **ALLEY 21**

<b>SITE #</b>	<b>HAZ CU YD</b>	<b>SPEC CU YD</b>	<b>CA-7 TONS</b>	<b>CA-6 TONS</b>	<b>BACKFILL</b>	<b>SAND</b>	<b>SEED/SOD</b>	<b>ROCK</b>	<b>TOP SOIL</b>
21	253.16	240.5	506						

**OHM CORPORATION**  
**PROJECT 13407**

**PRE-CHARACTERIZATION SAMPLING RESULTS**

**SITE NAME: ALLEY 21**

<b>SAMPLE NUMBER</b>	<b>TOTAL LEAD MG/KG</b>	<b>TCLP LEAD MG/L</b>
S21-001	1380	1
S21-002	807	
S21-004	418	0.39
S21-005	294	
S21-007	604	28
S21-008	364	
S21-010	204	0.005
S21-011	276	
S21-013	22500	112
S21-014	993	

**ECC RESULTS**  
**ALLEY 21**

SECTION NUMBER	RESULTS MG/KG	SECTION NUMBER	RESULTS MG/KG
S021-105	125	S021-153	218
S021-106	88.4	S021-154	278
S021-107A	118	S021-155	243
S021-108	20	S021-156A	328
S021-109	54	S021-157A	44.2
S021-110	106	S021-158	239
S021-111	120	S021-159A	228
S021-112	33.4	S021-160	265
S021-113	168	S021-161C	27.3
S021-114	117	S021-162B	47.4
S021-115	118	S021-163	293
S021-116	56.5	S021-164A	141
S021-117	41.5	S021-165A	30.5
S021-118	29.2	S021-166D	60.8
S021-119A	32.5	S021-167A	319
S021-120	133	S021-168	269
S021-121	118	S021-169	161
S021-122A	312	S021-170A	282
S021-123	62.1	S021-171	162
S021-124	170	S021-200*	49.1
S021-125B	50.8	S021-202*	126
S021-126	99.9	S021-206*	343
S021-127	265	S021-207*	128
S021-128B	17.7	S021-208*	40.9
S021-129	64.9		
S021-130	78		
S021-131A	255		
S021-132	277		
S021-133	297		
S021-134	296		
S021-135	39		
S021-136	116		
S021-137A	175		
S021-138	30.5		
S021-139A	19		
S021-140A	18.4		
S021-141A	103		
S021-142	106		
S021-143	524		
S021-143A	247		
S021-144	78.5		
S021-145	39.8		
S021-146A	34.6		
S021-147	372		
S021-148	32.4		
S021-149B	18.6		
S021-150	118		
S021-151	90.4		
S021-152B	252		

\* DENOTES DUPLICAT



# COLLEGE

MERIDOCIA

S21-013 (0"-6")
SOIL   TCLP EXTRACT
22500 mg/kg   112 mg/L
S21-014 (6"-12")
SOIL
993 mg/kg
S21-015 (12"-18")

S21-007 (0"-6")
SOIL   TCLP EXTRACT
604 mg/kg   .028 mg/L
S21-008 (6"-12")
SOIL
364 mg/kg
S21-009 (12"-18")

S21-001 (0"-6")
SOIL   TCLP EXTRACT
1380 mg/kg   1.0 mg/L
S21-002 (6"-12")
SOIL
807 mg/kg
S21-003 (12"-18")

S21-010 (0"-6")
SOIL   TCLP EXTRACT
204 mg/kg   .005 mg/L
S21-011 (6"-12")
SOIL
276 mg/kg
S21-012 (12"-18")

S21-004 (0"-6")
SOIL   TCLP EXTRACT
418 mg/kg   .039 mg/L
S21-005 (6"-12")
SOIL
294 mg/kg
S21-006 (12"-18")

90.4'  
(TYP.)

# DOUGLAS

SLEB

6

Notes:

SITE MAP  
ALLEY 21  
GRANITE CITY  
GRANITE CITY, ILLINOIS  
PREPARED FOR  
USE  
OMAHA, NEBRASKA



OHM Corporation  
Findlay, Ohio

Drawn By: D. KROSKE	Checked By:
Date: 8-19-93	Approved By: <i>[Signature]</i>
Scale: N.T.S.	Drawing No: ALLEY-21

## ALLEY #16

**Action Date:** November 1, 1993  
**Loadout:** November 15, 1993  
**Restoration Begins:** November 16, 1993  
**Restoration Completed:** December 30, 1993

- ▶ Visual contamination was excavated yielding an estimated 277.5 cubic yards of hazardous waste, which was shipped to Heritage Environmental in Indianapolis, IN, and Envirite for stabilization.
- ▶ The remaining excavation yielded an estimated 407 cubic yards of special waste, which was shipped to Laidlaw Waste Systems in Bridgeton, MO for disposal.
- ▶ During the holiday shutdown, a sewer line and the west end of the alley sunk. This was repaired the following day.
- ▶ Equipment utilized during excavation:
  - Case 580 Backhoe (OHM).
  - John Deere 550 Bulldozer (Rental).
  - John Deere 544 Front Loader (Rental).
  - Ingersol-Rand 7.5 ton Double Drum Roller (Rental).
- ▶ Subcontractors:
  - Beelman Truck Co.
    - Hauled Hazardous Waste
  - Fort Transfer
    - Hauled Hazardous Waste
  - Cunningham Trucking Co.
    - Hauled Special Waste
  - Heritage Environmental
    - Hazardous Waste Disposal
  - Envirite
    - Hazardous Waste Disposal
  - Laidlaw-Bridgeton
    - Special Waste Disposal

- L. Wolf Co.
  - Rock
  - Tar Chip
- ▶ Quantity Summaries:
  - See Figure U.1
- ▶ Verification Analytical:
  - See Figure U.2

SITE NAME        ALLEY 16

SITE #	HAZ CU YD	SPEC CU YD	CA-7 TONS	CA-6 TONS	BACKFILL	SAND	SEED/SOD	ROCK	TOP SOIL
16	277.5	407	700.5						

**OHM CORPORATION**  
**PROJECT 13407**

## PRE-CHARACTERIZATION SAMPLING RESULTS

**SITE NAME:** ALLEY 16

<b>SAMPLE NUMBER</b>	<b>TOTAL LEAD MG/KG</b>	<b>TCLP LEAD MG/L</b>
S16-001	5150	9
S16-002	133	
S016-004	979	0.57
S16-005	459	
S16-007	9490	17.1
S16-008	263	
S16-010	370	13.5
S16-011	875	
S16-013	1460	0.37
S16-014	66.4	

**ECC RESULTS**  
**ALLEY 16**

SECTION NUMBER	RESULTS MG/KG	SECTION NUMBER	RESULTS MG/KG
S016-100	12.2	S016-134A	7.6
S016-100A	5.6	S016-135	71.5
S016-101	56.7	S016-135A	11.4
S016-101A	8.4	S016-136A	49.2
S016-102A	6	S016-137	196
S016-103	61	S016-137A	14.1
S016-103A	10.8	*S016-138	168
S016-104	15.1	S016-138A	8.8
S016-104A	13.6	S016-139	293
S016-105	313	S016-139A	13.4
S016-105A	49.8	S016-140A	5.6
S016-106A	21.4	S016-141	64.4
S016-107	194	S016-141A	8.7
S016-107A	14.8	S016-142A	12.8
S016-108A	26.4	S016-143	100
S016-109	90.9	S016-143A	7
S016-109A	201	S016-144	1430
S016-110	312	S016-144A	17.5
S016-110A	7.9	S016-145	151
S016-111A	175	*S016-145A	86.6
S016-112A	92.3	S016-146	47.1
S016-113C@	DEPTH	S016-146A	18.9
*S016-114	47.4	S016-147	34.9
S016-114A	47.6	*S016-148	75.4
S016-115A	89	S016-149	40.1
S016-116A	16.1	S016-150	54.7
S016-117A	274	S016-151	10.2
S016-118A	117	S016-152	6.2
S016-119A	9.9	S016-153B@	DEPTH
S016-020A	106	S016-154	11.8
S016-021A	19.7	S016-155	46.1
S016-022A	40.2	S016-156	40.5
S016-123	97.3	S016-157	49.6
S016-123A	40.3	S016-158	48.2
S016-124A	270	S016-159	76
S016-125A	23.8	S016-160	34.1
S016-126	180	S016-161	18.1
S016-126A	9	S016-162	102
*S016-127	108	S016-163	97.8
S016-127A	16	S016-164	98.8
S016-128	232	S016-165	109
S016-128A	106	S016-166	141
*S016-129	121	S016-167	89.8
S016-129A	74.8	*S016-204	7.7
S016-130A	9.9	*S016-205	154
S016-131A	11	*S016-206	9.8
S016-132	66.8	*S016-207	9.9
S016-132A	11.8	*S016-208	53.9
S016-133A	57.1	*S016-209	86.9

\* DENOTES DUPLICAT

@DENOTES THAT MAXIMUM DEPTH PER USACE WAS REACHED

M E R I D O C I A

D O U G L A S

S16-013 (0"-6")
SOIL   TCLP EXTRACT
1460 mg/kg   .37 mg/L
S16-014 (6"-12")
SOIL
66.4 mg/kg
S16-015 (12"-18")

S16-007 (0"-6")
SOIL   TCLP EXTRACT
9490 mg/kg   17.1 mg/L
S16-008 (6"-12")
SOIL
263 mg/kg
S16-009 (12"-18")

S16-001 (0"-6")
SOIL   TCLP EXTRACT
5150 mg/kg   .90 mg/L
S16-002 (6"-12")
SOIL
133 mg/kg
S16-003 (12"-18")

CONCRETE SLAB 5'X15'

90.4'  
(TYP.)

S16-010 (0"-6")
SOIL   TCLP EXTRACT
370 mg/kg   13.5 mg/L
S16-011 (6"-12")
SOIL
875 mg/kg
S16-012 (12"-18")

S16-004 (0"-6")
SOIL   TCLP EXTRACT
979 mg/kg   .57 mg/L
S16-005 (6"-12")
SOIL
459 mg/kg
S16-006 (12"-18")

C A L H O O N

S L E B

L

Notes:

SITE MAP  
ALLEY 16  
GRANITE CITY  
GRANITE CITY, ILLINOIS  
PREPARED FOR  
USACE  
OMAHA, NEBRASKA



OHM Corporation  
Findlay, Ohio

Drawn By: D. KROSKE	Checked By:
Date: 8-19-93	Approved By: <i>Qett</i>
Scale: N.T.S.	Drawing No: ALLEY-16

## 822 NIEDRINGHAUS

**Action Date:** November 9, 1993  
**Loadout:** November 22, 1993  
**Restoration Begins:** November 22, 1993  
**Restoration Completed:** January 28, 1993

- ▶ An excavation depth of six inches was determined by USACE before work commenced.
- ▶ The excavation of special waste yielded an estimated 851 cubic yards, which was shipped to Laidlaw-Roxanna.
- ▶ After sod installation, Munie Outdoor Construction Co. crews watered until sod was stable.
- ▶ ~~Due to inclement weather conditions, the sod was unevenly distributed. This~~ was corrected using a 7.5 ton compacting roller.
- ▶ Equipment utilized during excavation:
  - Kubota KX41 Mini-Excavator (Rental).
  - Case 1840 Skid-Steer Loader (Rental).
  - Takeuchi TL26 Track Loader (Rental).
  - John Deere 690 Excavator (Rental).
  - Ingersol-Rand 7.5 Ton Double Drum Roller (Rental).
- ▶ Subcontractors
  - Cunningham Haulers
    - Hauled Special Waste
  - Laidlaw-Roxanna
    - Special Waste Disposal
  - Munie Outdoor Construction Co.
    - Sod Installation
- ▶ Quantity Summaries:
  - See Figure V.1



► Verification Analytical:

- See Figure V.2

Stack emission sites were not sampled for verification due to the fact that a pre-determined depth for excavation was given to OHM by USACE.

Pre-Determined Depth: 6"

**SITE NAME** 822 NIEDRINGHAUS

<b>SITE #</b>	<b>HAZ CU YD</b>	<b>SPEC CU YD</b>	<b>CA-7 TONS</b>	<b>CA-6 TONS</b>	<b>BACKFILL</b>	<b>SAND</b>	<b>SEED/SOD</b>	<b>ROCK</b>	<b>TOP SOIL</b>	<b>3" STONE</b>
822		851		43.35	504.5 TON		2752 TON		390 CU YD	

# OHM CORPORATION

**PROJECT 13407**

## PRE-CHARACTERIZATION SAMPLING RESULTS

**SITE NAME:** 822 NIEDRINGHAUS

<b>SAMPLE NUMBER</b>	<b>TOTAL LEAD MG/KG</b>	<b>TCLP LEAD MG/L</b>
S822-C001	72.7	BDL
S822-C002	119	
S822-C003	69.9	BDL
S822-C004	56.3	0.21
S822-C005	306	0.37
S822-C006	125	
S822-C007	304	BDL
S822-C008	201	
S822-C009	267	BDL
S822-C010	187	

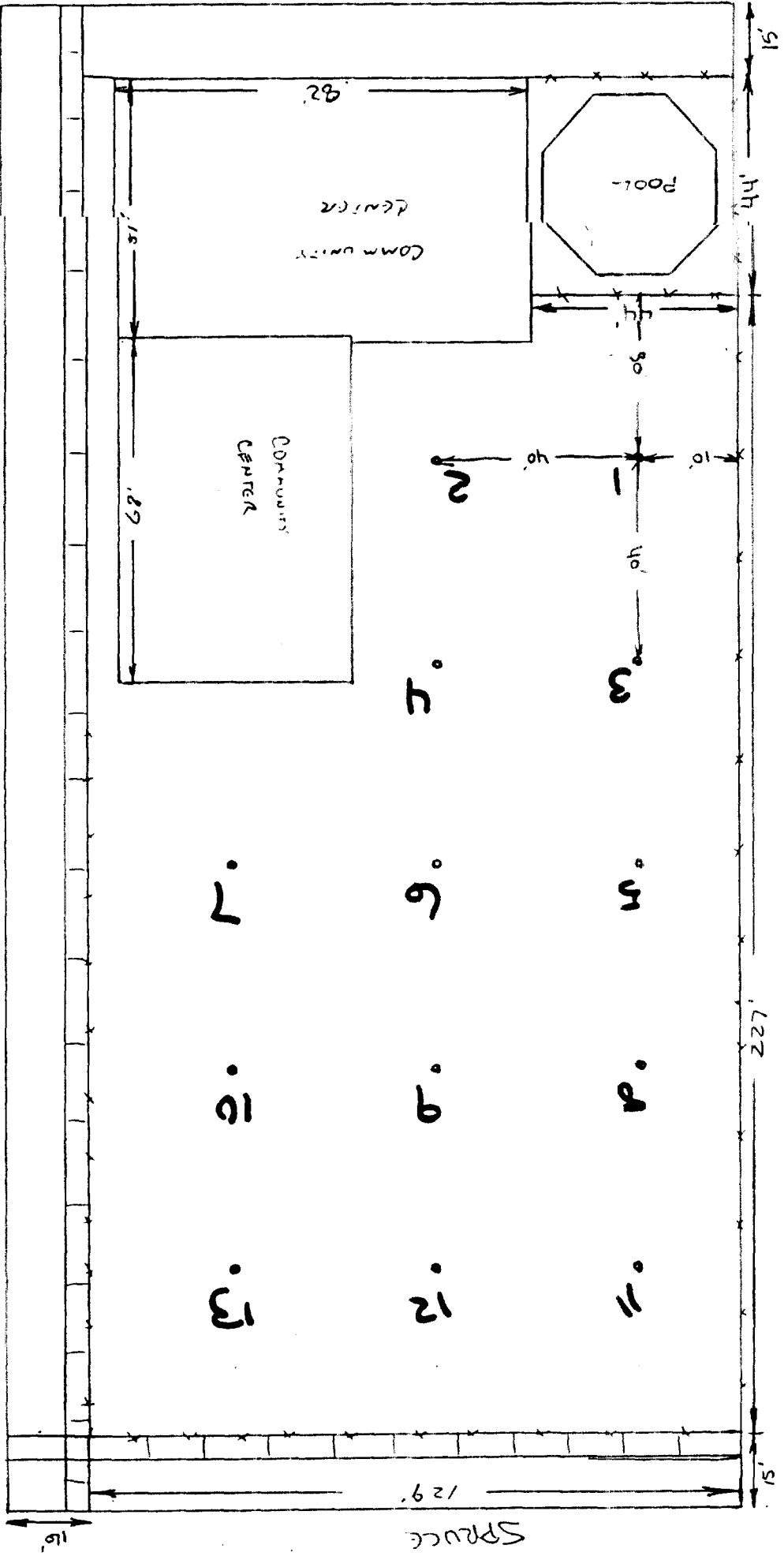
**OHM CORPORATION  
PROJECT 13407  
GRANITE CITY, IL  
12/6/94**

**SITE NAME: 822 NIEDRINGHAUS**

**STACK EMISSION SITES WERE NOT SAMPLED FOR  
VERIFICATION DUE TO THE FACT THAT A PRE-DETERMINED  
DEPTH FOR EXCAVATION WAS GIVEN TO OHM BY USACE.**

**PRE-DETERMINED DEPTH: 6"**

Q22 NIEBRING WOODS



## 1408 STATE STREET

<b>Action Date:</b>	November 10, 1993
<b>Loadout:</b>	November 18, 1993
<b>Restoration Begins:</b>	December 9, 1993
<b>Restoration Completed:</b>	December 14, 1993

- An excavation depth of 12 inches was established by USACE prior to work commencing.
- The excavation of special waste yielded an estimated 259 cubic yards, which was shipped to Laidlaw-Roxanna for disposal.
- During loadout activities, the entrance to the driveway was broken. This was replaced during the restoration phase
- After sod installation, the homeowner maintained watering on this site.
- Due to inclement weather, the sod was installed unevenly. This sod was stripped and replaced in spring.
- Equipment utilized during excavation:
  - Case 580 Backhoe (Rental).
  - Case 1840 Skid-steer Loader (Rental)
  - Bobcat X225 Mini-excavator (Rental)
  - Ingersol-Rand 7.5 Ton Double Drum Roller (Rental)
- Subcontractors:
  - Cunningham Trucking Co.
    - Hauled Special Waste
  - Laidlaw-Roxanna.
    - Special Waste Disposal
  - Munie Outdoor Construction Co.
    - Sod Installation
  - L. Wolf Co
    - Concrete
  - Metro East Sand
    - Backfill

- Metro East Sand
  - Backfill
  - Topsoil
- L. Wolf Co.
  - Concrete
- Munie Outdoor Construction Co.
  - Sod Installation and Maintenance
- ▶ Quantity Summaries:
  - See Figure K.1
- ▶ Verification Analytical:
  - See Figure K.2



Stack emission sites were not sampled for verification due to the fact that a pre-determined depth for excavation was given to OHM by USACE.

Pre-Determined Depth: 12"

**SITE NAME**      1408 STATE

<b>SITE #</b>	<b>HAZ CU YD</b>	<b>SPEC CU YD</b>	<b>CA-7 TONS</b>	<b>CA-6 TONS</b>	<b>BACKFILL</b>	<b>SAND</b>	<b>SEED/SOD</b>	<b>ROCK</b>	<b>TOP SOIL</b>	<b>3" STONE</b>
1408		259		64.4	90 TON		430 SQ YD		60 CU YD	

**OHM CORPORATION  
PROJECT 13407**

**PRE-CHARACTERIZATION SAMPLING RESULTS**

**SITE NAME:1408 STATE**

<b>SAMPLE NUMBER</b>	<b>TOTAL LEAD MG/KG</b>	<b>TCLP LEAD MG/L</b>
1408-C00	741	BDL
1408-C00	731	
1408-C00	727	BDL
1408-C00	600	
1408-C00	607	BDL
1408-C00	1940	
1408-C00	647	BDL
1408-C00	636	
1408-C00	580	0.42
1408-C01	278	

**OHM CORPORATION  
PROJECT 13407  
GRANITE CITY, IL  
12/6/94**

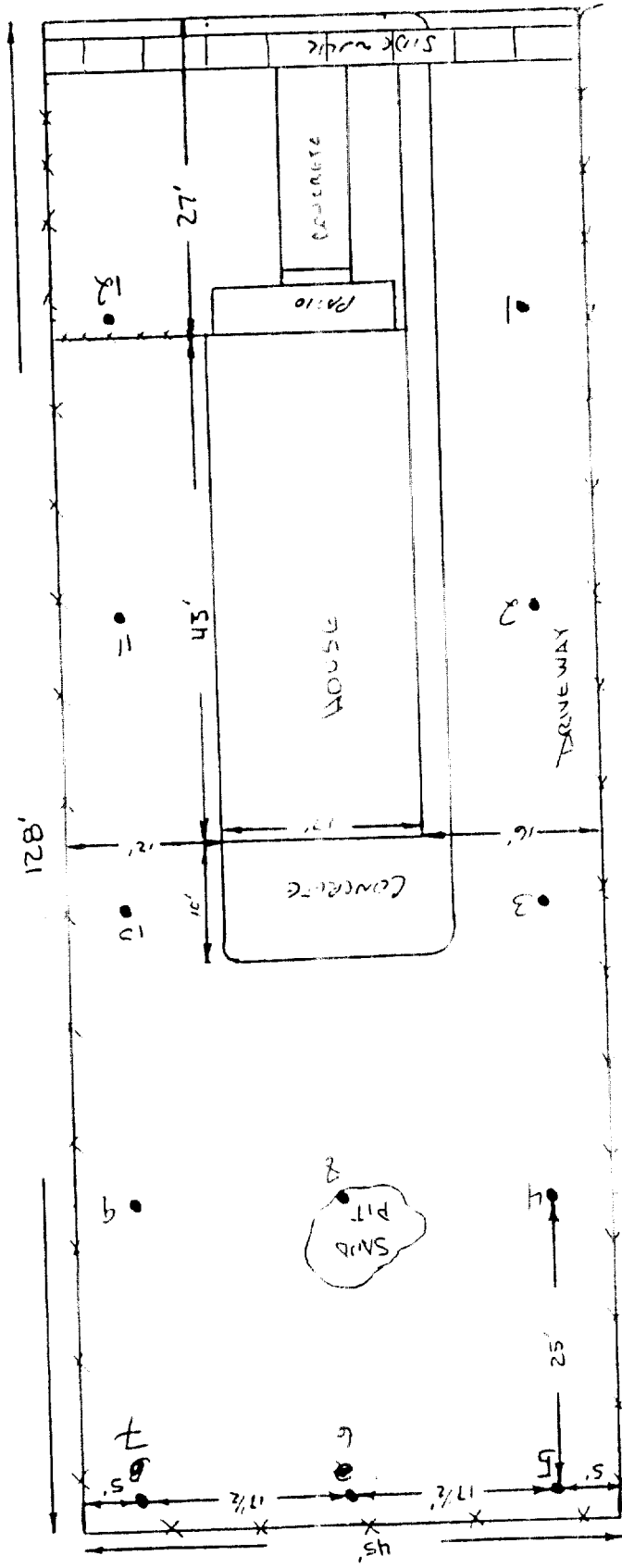
**SITE NAME: 1408 STATE**

**STACK EMISSION SITES WERE NOT SAMPLED FOR  
VERIFICATION DUE TO THE FACT THAT A PRE-DETERMINED  
DEPTH FOR EXCAVATION WAS GIVEN TO OHM BY USACE.**

**PRE-DETERMINED DEPTH: 12"**

1408 STATE ST.

1408 STATE ST.



## **1410 GRAND AVE.**

**Action Date:** November 17, 1993  
**Loadout:** November 29, 1993  
**Restoration Begins:** December 8, 1993  
**Restoration Completed:** January 5, 1994

- ▶ An excavation depth of 12 inches was established by USACE prior to work commencing.
- ▶ The excavation of special waste yielded an estimated 721.5 cubic yards, which was shipped to Laidlaw-Roxanna for disposal.
- ▶ During backfill activities, the entrance to the driveway was broken. This was replaced during the restoration phase.
- ▶ After sod installation, Munie Outdoor Construction Co. crews watered until sod was stable.
- ▶ Due to inclement weather, the sod was installed unevenly. This sod was stripped and replaced in spring.
- ▶ Equipment utilized during excavation:
  - Takeuchi TL26 Mini Track Loader (Rental).
  - John Deere 444 Front Loader (Rental)
  - Komatsu PC90 Excavator (Rental)
  - Ingersol-Rand 7.5 Ton Double Drum Roller (Rental)
- ▶ Subcontractors:
  - Cunningham Trucking Co.
    - Hauled Special Waste
  - Laidlaw-Roxanna
    - Special Waste Disposal.
  - Munie Outdoor Construction Co.
    - Sod Installation
  - L. Wolf Co.
    - Concrete

- Metro East Sand
  - Backfill
- ▶ Quantity Summaries:
  - See Figure X.1
- ▶ Verification Analytical:
  - See Figure X.2

Stack emission sites were not sampled for verification due to the fact that a pre-determined depth for excavation was given to OHM by USACE.

Pre-Determined Depth: 12"



SITE NAME      1410 GRAND

SITE #	HAZ CU YD	SPEC CU YD	CA-7 TONS	CA-6 TONS	BACKFILL	SAND	SEED/SOD	ROCK	TOP SOIL
1410		721.5		46.75	297 TON		1800 SQ YD		243 CU YD

**OHM CORPORATION**  
**PROJECT 13407**

**PRE-CHARACTERIZATION SAMPLING RESULTS**

**SITE NAME: 1410 GRAND**

<b>SAMPLE NUMBER</b>	<b>TOTAL LEAD MG/KG</b>	<b>TCLP LEAD MG/L</b>
S1410C-001		0.51
S1410C-002		0.27
S1410C-003		0.34
S1410C-004		0.19
S1410C-005		0.16
S1410C-006		0.45
S1410C-007		0.28
S1410C-008		0.45
S1410C-009		0.3
S1410C-010		4

**OHM CORPORATION  
PROJECT 13407  
GRANITE CITY, IL  
12/6/94**

**SITE NAME: 1410 GRAND**

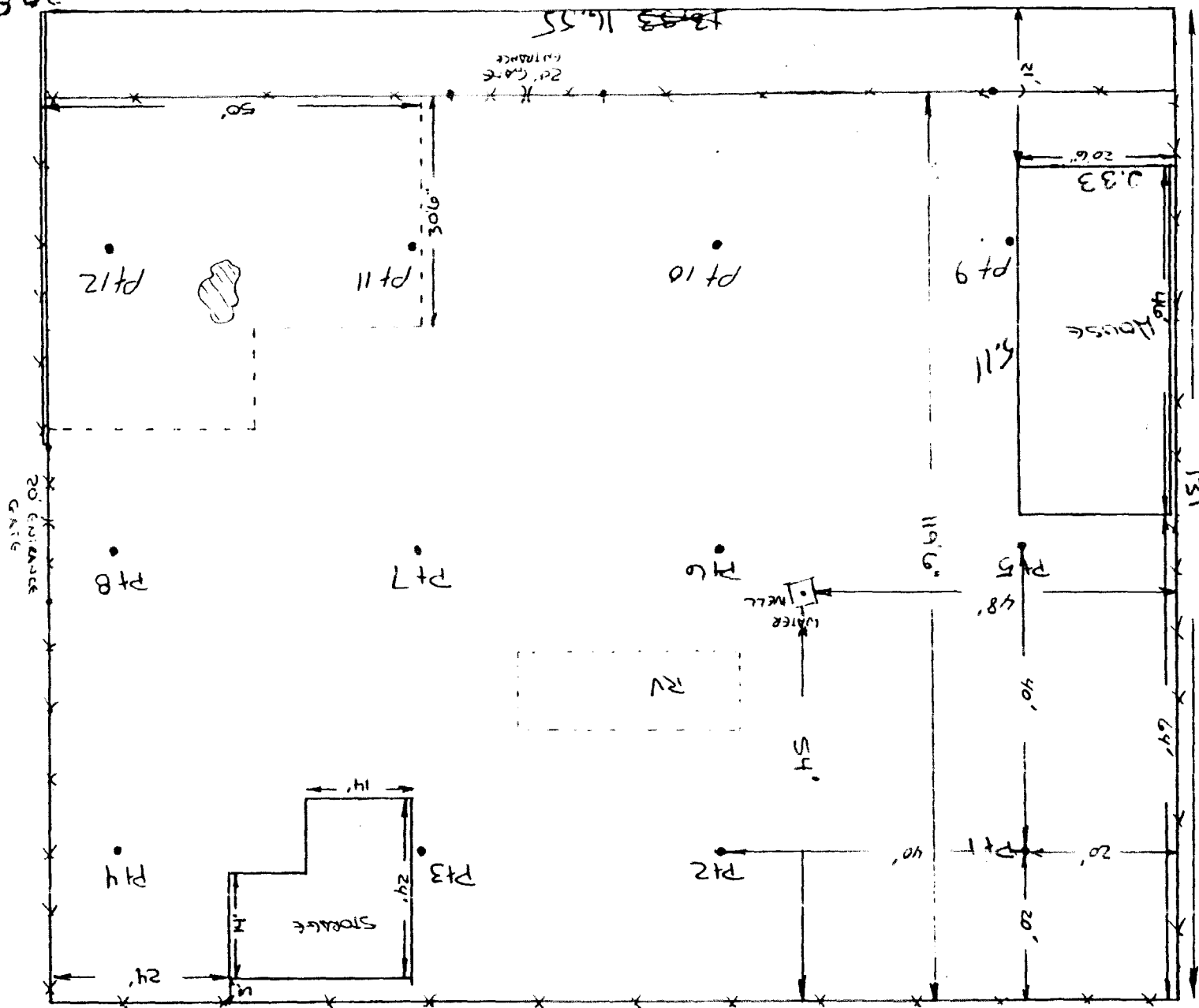
**STACK EMISSION SITES WERE NOT SAMPLED FOR  
VERIFICATION DUE TO THE FACT THAT A PRE-DETERMINED  
DEPTH FOR EXCAVATION WAS GIVEN TO OHM BY USACE.**

**PRE-DETERMINED DEPTH: 12"**

[illegible]

01/11

PH 800



## **1442 GRAND AVE.**

<b>Action Date:</b>	November 18, 1993
<b>Loadout:</b>	December 9, 1993
<b>Restoration Begins:</b>	December 9, 1993
<b>Restoration Completed:</b>	January 9, 1994

- ▶ An excavation depth of 12 inches was established by USACE prior to work commencing.
- ▶ The excavation of special waste yielded an estimated 222 cubic yards, which was shipped to Laidlaw-Roxanna for disposal.
- ▶ During backfill activities, two sections of city sidewalk was broken. This was replaced during the restoration phase.
- ▶ After sod installation, Munie Outdoor Construction Co. crews watered until sod was stable.
- ▶ Due to inclement weather, the sod was installed unevenly. This sod was stripped and replaced in spring.
- ▶ Equipment utilized during excavation:
  - Takeuchi TL26 Mini Track Loader (Rental).
  - Kubota KX41 Mini Excavator (Rental)
  - Komatsu PC90 Excavator (Rental)
  - Ingersoll-Rand 7.5 Ton Double Drum Roller (Rental)
- Subcontractors:
  - Cunningham Trucking Co.
    - Hauled Special Waste
  - Laidlaw-Roxanna
    - Special Waste Disposal.
  - Munie Outdoor Construction Co.
    - Sod Installation
  - L. Wolf Co.
    - Concrete

- Metro East Sand
  - Backfill
- ▶ Quantity Summaries:
  - See Figure Y.1
- ▶ Verification Analytical:
  - See Figure Y.2

Stack emission sites were not sampled for verification due to the fact that a pre-determined depth for excavation was given to OHM by USACE.

Pre-Determined Depth: 12"

**SITE NAME**      1442 GRAND

SITE #	HAZ CU YD	SPEC CU YD	CA-7 TONS	CA-6 TONS	BACKFILL	SAND	SEED/SOD	ROCK	TOP SOIL
1442		222			180 TON		650 SQ YD		138 CU YD



**OHM CORPORATION**  
**PROJECT 13407**

**PRE-CHARACTERIZATION SAMPLING RESULTS**

**SITE NAME:** 1442 GRAND

<b>SAMPLE NUMBER</b>	<b>TOTAL LEAD MG/KG</b>	<b>TCLP LEAD MG/L</b>
S1442-100	1070	
S1442-101	522	
S1442-102	163	
S1442-103	390	
S1442-104	964	
S1442-105	662	
S1442-106	1240	
S1442-107	691	
S1442-108	792	
S1442-109	5740	

**OHM CORPORATION  
PROJECT 13407  
GRANITE CITY, IL  
12/6/94**

**SITE NAME: 1442 GRAND**

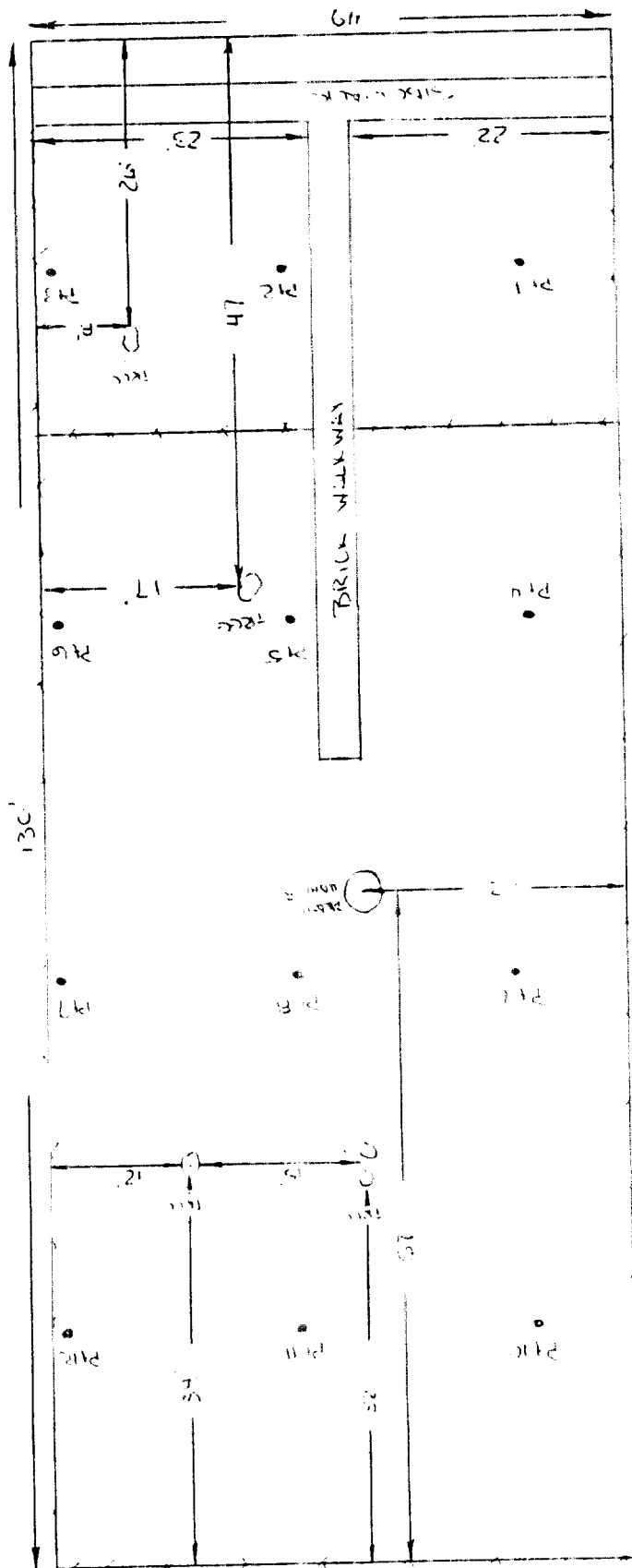
**STACK EMISSION SITES WERE NOT SAMPLED FOR  
VERIFICATION DUE TO THE FACT THAT A PRE-DETERMINED  
DEPTH FOR EXCAVATION WAS GIVEN TO OHM BY USACE.**

**PRE-DETERMINED DEPTH: 12"**

TOTAL DIMENSIONS  
49' x 130'

1442 CLARK AVE

884  
h 884



PRECEDENCE  
SAMPLES 10-26-93

## 1630 DELMAR AVENUE

<b>Action Date:</b>	November 30, 1993
<b>Loadout:</b>	December 5, 1993
<b>Restoration Begins:</b>	December 6, 1993
<b>Restoration Completed:</b>	December 9, 1993

- ▶ An excavation depth of 12 inches was established by USACE prior to work commencing.
- ▶ The excavation of special waste yielded an estimated 314.5 cubic yards, which was shipped to Laidlaw-Roxanna for disposal.
- ▶ After sod installation, Munie Outdoor Construction Co. crews watered until sod was stable.
- ▶ Equipment utilized during excavation:
  - Takeuchi TL26 Mini Track Loader (Rental).
  - Bobcat X225 Mini Excavator (Rental)
  - John Deere 444 Front Loader (Rental)
- ▶ Subcontractors
  - Cunningham Trucking Co.
    - Hauled Special Waste
  - Laidlaw-Roxanna
    - Special Waste Disposal
- ▶ Munie Outdoor Construction Co.
  - Sod Installation
- ▶ Metro East Sand
  - Backfill
- ▶ Quantity Summaries:
  - Figure Z.1
- ▶ Verification Analytical
  - See Figure Z.2

Stack emission sites were not sampled for verification due to the fact that a pre-determined depth for excavation was given to OHM by USACE.

Pre-Determined Depth: 12"

**SITE NAME**      1630 DELMAR

SITE #	HAZ CU YD	SPEC CU YD	CA-7 TONS	CA-6 TONS	BACKFILL	SAND	SEED/SOD	ROCK	TOP SOIL
1630		314.5		29.8	153 TON		700 SQ YD		

**OHM CORPORATION**  
**PROJECT 13407**

## PRE-CHARACTERIZATION SAMPLING RESULTS

**SITE NAME:** 1630 DELMAR

[illegible]

**OHM CORPORATION  
PROJECT 13407  
GRANITE CITY, IL  
12/6/94**

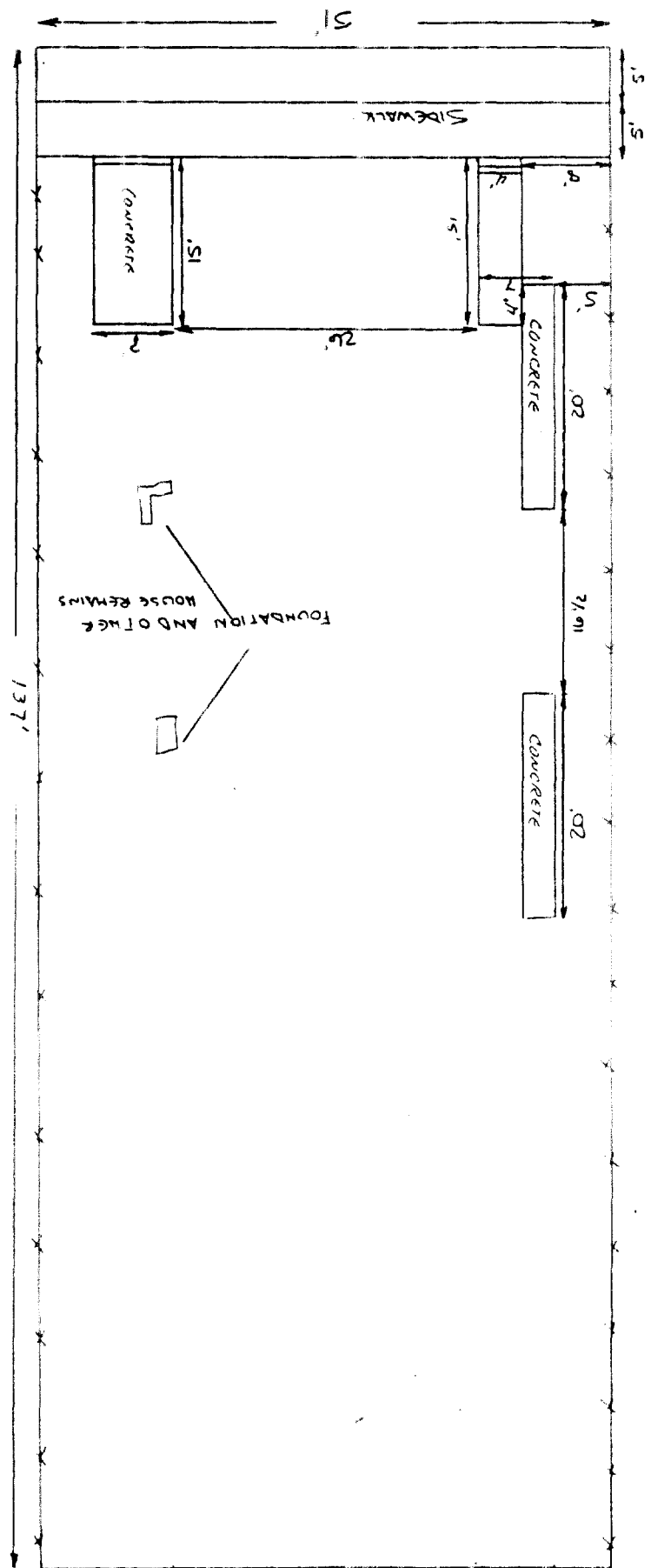
**SITE NAME: 1630 DELMAR**

**STACK EMISSION SITES WERE NOT SAMPLED FOR  
VERIFICATION DUE TO THE FACT THAT A PRE-DETERMINED  
DEPTH FOR EXCAVATION WAS GIVEN TO OHM BY USACE.**

**PRE-DETERMINED DEPTH: 12"**



TOTAL DIMENSIONS  
51' x 137'



1630 DELMAR

DRAWN BY P

## 1443 GRAND AVENUE

**Action Date:** December 1, 1993  
**Loadout:** December 7, 1993  
**Restoration Begins:** December 7, 1993  
**Restoration Completed:** December 12, 1993

- ▶ An excavation depth of 12 inches was established by USACE prior to work commencing.
- ▶ The excavation of special waste yielded an estimated 240.5 cubic yards, which was shipped to Laidlaw-Roxanna for disposal.
- ▶ During excavation activities, one section of city sidewalk, and 20 feet of the homeowners sidewalk was broken. This was replaced during the restoration phase.
- ▶ After sod installation, Munie Outdoor Construction Co. crews watered until sod was stable
- ▶ Due to inclement weather, the sod was installed unevenly. This sod was stripped and replaced in spring.
- ▶ Equipment utilized during excavation:
  - Takeuchi TL26 Mini Track Loader (Rental).
  - Kubota KX41 Mini Excavator (Rental)
  - Komatsu PC90 Excavator (Rental)
  - Ingersoll-Rand 7.5 Ton Double Drum Roller (Rental)
- ▶ Subcontractors
  - Cunningham Trucking Co.
    - Hauled Special Waste
  - Laidlaw-Roxanna.
    - Special Waste Disposal.
  - Munie Outdoor Construction Co
    - Sod Installation

- L. Wolf Co.
  - Concrete
- Metro East Sand
  - Backfill
- ▶ Quantity Summaries:
  - See Figure AA.1
- ▶ Verification Analytical:
  - See Figure AA.2

Stack emission sites were not sampled for verification due to the fact that a pre-determined depth for excavation was given to OHM by USACE.

Pre-Determined Depth: 12'

**SITE NAME**      1443 GRAND

<b>SITE #</b>	<b>HAZ CU YD</b>	<b>SPEC CU YD</b>	<b>CA-7 TONS</b>	<b>CA-6 TONS</b>	<b>BACKFILL</b>	<b>SAND</b>	<b>SEED/SOD</b>	<b>ROCK</b>	<b>TOP SOIL</b>
1443		240.5		72.28	27 TON		427 SQ YD		63 CU YD

**OHM CORPORATION**  
**PROJECT 13407**

**PRE-CHARACTERIZATION SAMPLING RESULTS**

**SITE NAME: 1443 GRAND**

<b>SAMPLE NUMBER</b>	<b>TOTAL LEAD MG/KG</b>	<b>TCLP LEAD MG/L</b>
S1443-100	711	
S1443-101	307	
S1443-102	816	
S1443-103	279	
S1443-104	443	
S1443-105	162	
S1443-106	689	
S1443-107	340	
S1443-108	719	
S1443-109	1740	

**OHM CORPORATION  
PROJECT 13407  
GRANITE CITY, IL  
12/6/94**

**SITE NAME: 1443 GRAND**

**STACK EMISSION SITES WERE NOT SAMPLED FOR  
VERIFICATION DUE TO THE FACT THAT A PRE-DETERMINED  
DEPTH FOR EXCAVATION WAS GIVEN TO OHM BY USACE.**

**PRE-DETERMINED DEPTH: 12"**





## 1642 CLEVELAND AVENUE

**Action Date:** December 3, 1993

**Loadout:** December 7, 1993

**Restoration Begins:** December 8, 1993

**Restoration Completed:** January 6, 1994

- ▶ An excavation depth of 12 inches was established by USACE prior to work commencing.
- ▶ The excavation of special waste yielded an estimated 222 cubic yards, which was shipped to Laidlaw-Roxanna for disposal.
- ▶ During the restoration phase, the driveway entrance was broken. This was replaced during the restoration phase.
- ▶ After sod installation, Munie Outdoor Construction Company crews watered until sod was stable.
- ▶ Equipment utilized during excavation:
  - Takeuchi TL26 Mini Track Loader (Rental).
  - Bobcat X225 Mini Excavator (Rental)
  - Case 580 Backhoe (Rental)
  - John Deere 444 Front Loader (Rental)
  - Ingersoll-Rand 7.5 Ton Double Drum Roller (Rental)
- ▶ Subcontractors:
  - Cunningham Trucking Co.
    - Hauled Special Waste
  - Laidlaw-Roxanna.
    - Special Waste Disposal.
  - Munie Outdoor Construction Co.
    - Sod Installation
  - L. Wolf Co.
    - Concrete

- Metro East Sand
  - Backfill
- ▶ Quantity Summaries
  - See Figure AB.1
- ▶ Verification Analytical
  - See Figure AB.2

Stack emission sites were not sampled for verification due to the fact that a pre-determined depth for excavation was given to OHM by USACE.

Pre-Determined Depth: 12"

**SITE NAME** 1642 CLEVELAND

SITE #	HAZ CU YD	SPEC CU YD	CA-7 TONS	CA-6 TONS	BACKFILL	SAND	SEED/SOD	ROCK	TOP SOIL
1642		222		29.8	90 TON		720 SQ YD		76 CU YD

**OHM CORPORATION**  
**PROJECT 13407**

## PRE-CHARACTERIZATION SAMPLING RESULTS

**SITE NAME:** 1642 CLEVELAND

SAMPLE NUMBER	TOTAL LEAD MG/KG	TCLP LEAD MG/L
S1642-C001		1.6
S1642-C002		0.6
S1642-C003		0.21
S1642-C004		BDL
S1642-C005		0.4
S1642-C006		BDL
S1642-C007		0.38
S1642-C008		BDL
S1642-C009		0.25
S1642-C010		BDL

**OHM CORPORATION  
PROJECT 13407  
GRANITE CITY, IL  
12/6/94**

**SITE NAME: 1642 CLEVELAND**

**STACK EMISSION SITES WERE NOT SAMPLED FOR  
VERIFICATION DUE TO THE FACT THAT A PRE-DETERMINED  
DEPTH FOR EXCAVATION WAS GIVEN TO OHM BY USACE.**

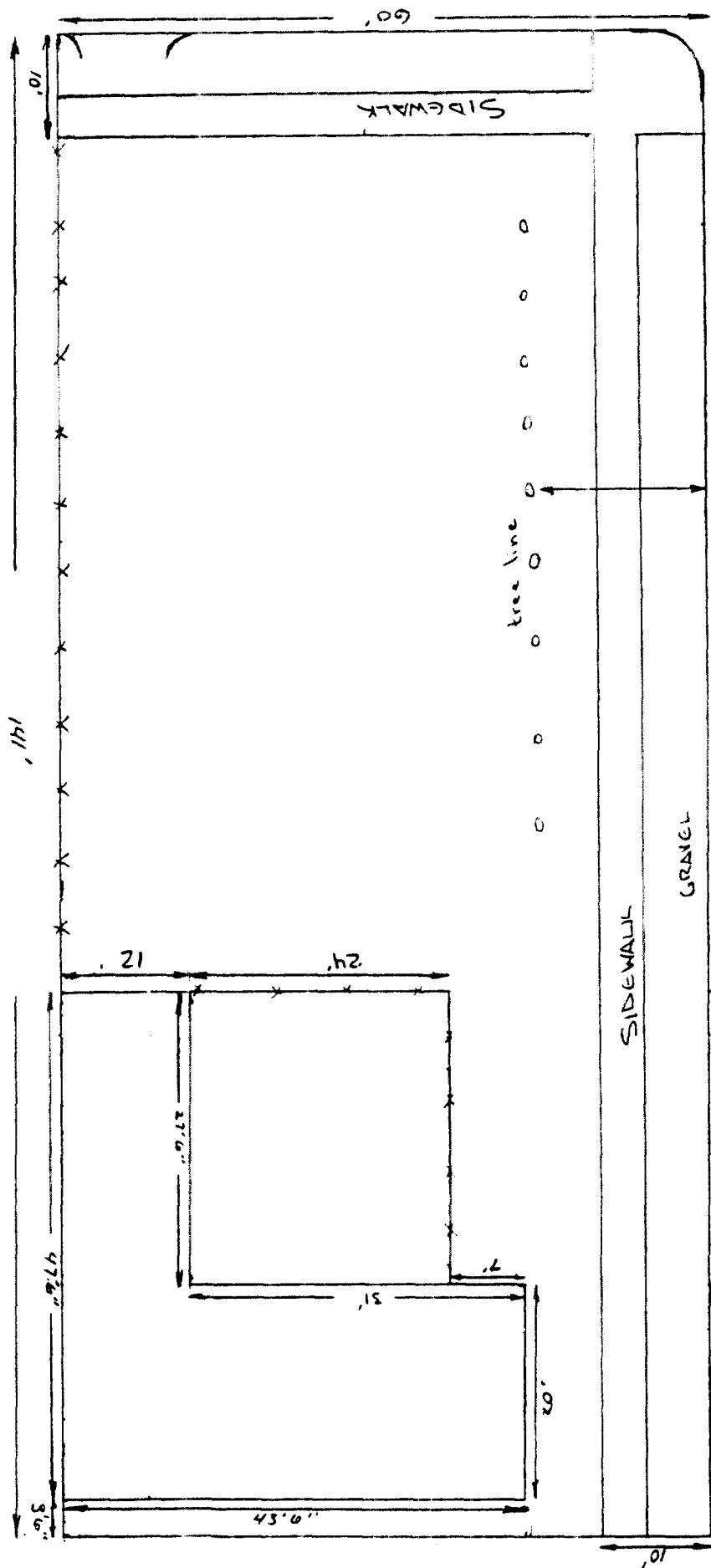
**PRE-DETERMINED DEPTH: 12"**

TOTAL DIMENSIONS  
60' x 141'

294

Amended

1642 CLEVELAND



## 1640 CLEVELAND AVE.

**Action Date:** December 3, 1993  
**Loadout:** December 7, 1993  
**Restoration Begins:** December 7, 1993  
**Restoration Completed:** December 13, 1993

- ▶ An excavation depth of 6 inches was established by USACE prior to work commencing
- ▶ The excavation of special waste yielded an estimated 74 cubic yards, which was shipped to Laidlaw-Roxanna for disposal
- ▶ After sod installation, Munie Outdoor Construction Co. crews watered until sod was stable
- ▶ Equipment utilized during excavation:
  - Takeuchi TL26 Mini Track Loader (Rental)
  - Bobcat X225 Mini Excavator (Rental)
  - John Deere 444 Front Loader (Rental)
  - Ingersol-Rand 7.5 Ton Double Drum Roller (Rental)
- ▶ Subcontractors:
  - Cunningham Trucking Co.
    - Hauled Special Waste
  - Laidlaw-Roxanna.
    - Special Waste Disposal.
  - Munie Outdoor Construction Co.
    - Sod Installation
- ▶ Quantity Summaries:
  - See Figure AC.1
- ▶ Verification Analytical:
  - See Figure AC.2



Stack emission sites were not sampled for verification due to the fact that a pre-determined depth for excavation was given to OHM by USACE.

Pre-Determined Depth: 6"

**SITE NAME**    1640 CLEVELAND

<b>SITE #</b>	<b>HAZ CU YD</b>	<b>SPEC CU YD</b>	<b>CA-7 TONS</b>	<b>CA-6 TONS</b>	<b>BACKFILL</b>	<b>SAND</b>	<b>SEED/SOD</b>	<b>ROCK</b>	<b>TOP SOIL</b>
1640		74					270 SQ YD		54

**OHM CORPORATION**  
**PROJECT 13407**

**PRE-CHARACTERIZATION SAMPLING RESULTS**

**SITE NAME:** 1640 CLEVELAND

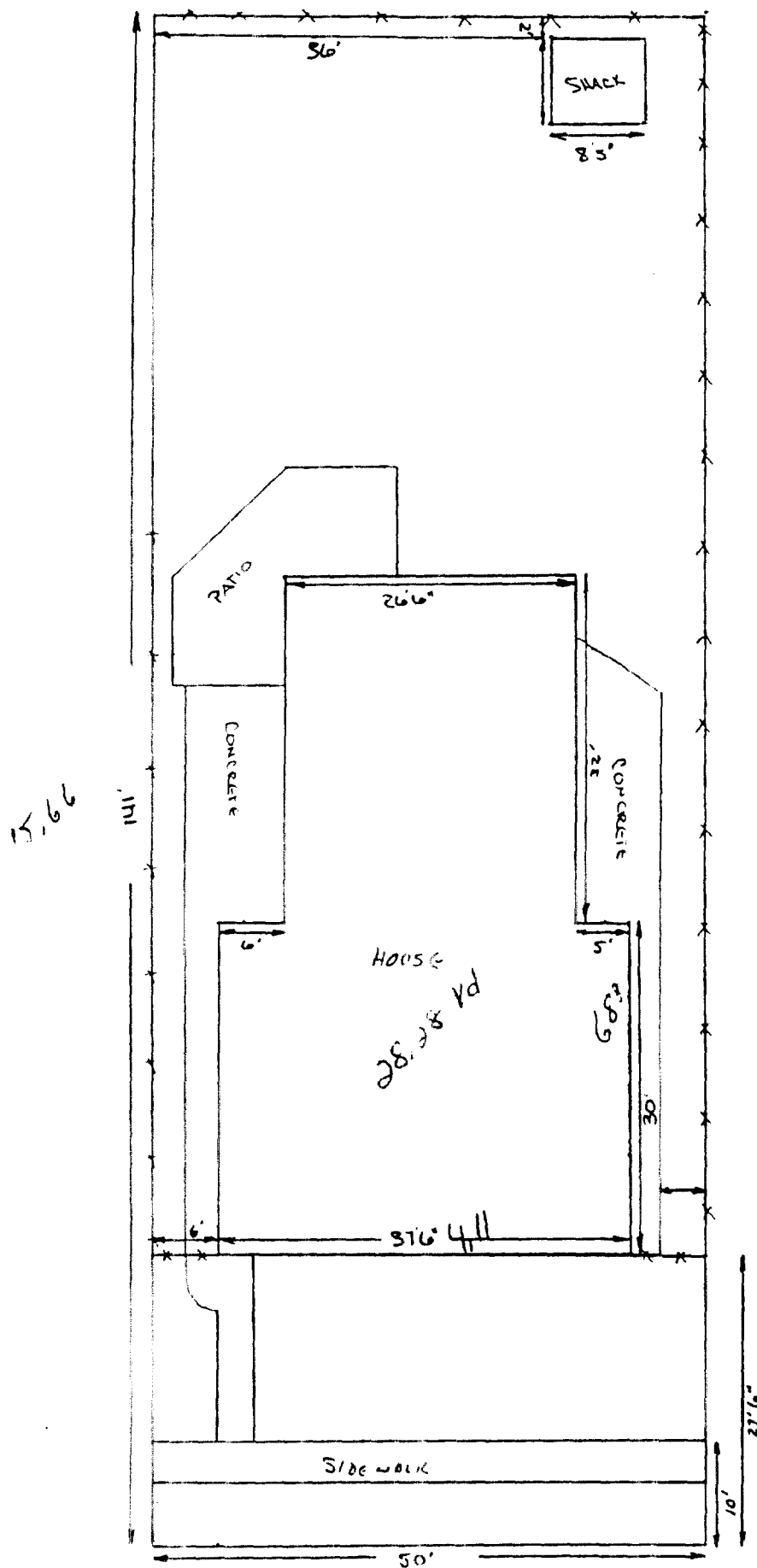
<b>SAMPLE</b>	<b>TOTAL LEAD</b>	<b>TCLP LEAD</b>
<b>NUMBER</b>	<b>MG/KG</b>	<b>MG/L</b>
S1640-C001		0.91
S1640-C002		0.71
S1640-C003		0.75
S1640-C004		0.31
S1640-C005		0.95
S1640-C006		0.2
S1640-C007		0.42
S1640-C008		0.22
S1640-C009		BDL
S1640-C010		BDL

**OHM CORPORATION  
PROJECT 13407  
GRANITE CITY, IL  
12/6/94**

**SITE NAME: 1640 CLEVELAND**

**STACK EMISSION SITES WERE NOT SAMPLED FOR  
VERIFICATION DUE TO THE FACT THAT A PRE-DETERMINED  
DEPTH FOR EXCAVATION WAS GIVEN TO OHM BY USACE.**

**PRE-DETERMINED DEPTH: 6"**



82.91  
- 28.28  
58.6 yd

~~4424~~

5.55  
1640 CLEVELAND  
Completed

## 1429 MADISON AVENUE

**Action Date:** December 9, 1993  
**Loadout:** December 11, 1993  
**Restoration Begins:** December 11, 1993  
**Restoration Completed:** December 16, 1993

- ▶ An excavation depth of 12 inches was established by USACE prior to work commencing.
- ▶ The excavation of special waste yielded an estimated 148 cubic yards, which was shipped to Laidlaw-Roxanna for disposal.
- ▶ During excavation activities, a basement window was broken. This was replaced immediately.
- ▶ After sod installation, Munie Outdoor Construction Co. crews watered until sod was stable.
- ▶ Equipment utilized during excavation:
  - Takeuchi TL26 Mini Track Loader (Rental)
  - Kubota KX41 Mini Excavator (Rental)
  - Case 580 Backhoe (Rental)
  - John Deere 444 Front Loader (Rental)
- ▶ Subcontractors:
  - Cunningham Trucking Co.
    - Hauled Special Waste
  - Laidlaw-Roxanna
    - Special Waste Disposal
- ▶ Munie Outdoor Construction Co.
  - Sod Installation
  - Metro East Sand
    - Backfill
    - Sand

- Topsoil

- ▶ Quantity Summaries:

- See Figure AD.1

- ▶ Verification Analytical:

- See Figure AD.2

Stack emission sites were not sampled for verification due to the fact that a pre-determined depth for excavation was given to OHM by USACE.

Pre-Determined Depth: 12"



**SITE NAME**      1429 MADISON

SITE #	HAZ CU YD	SPEC CU YD	CA-7 TONS	CA-6 TONS	BACKFILL	SAND	SEED/SOD	ROCK	TOP SOIL	3" STONE
1429		148		42.25	54 TON		350 SQ YD		96 CU YD	

**OHM CORPORATION**  
**PROJECT 13407**

## PRE-CHARACTERIZATION SAMPLING RESULTS

**SITE NAME:** 1429 MADISON

<b>SAMPLE NUMBER</b>	<b>TOTAL LEAD MG/KG</b>	<b>TCLP LEAD MG/L</b>
S1429-037		895
S1429-039		549
S1429-040		569
S1429-041		313
S1429-043		879
S1429-044		305
S1429-046		893
S1429-047		954
S1429-049		853
S1429-050		657

**OHM CORPORATION  
PROJECT 13407  
GRANITE CITY, IL  
12/6/94**

**SITE NAME: 1429 MADISON**

**STACK EMISSION SITES WERE NOT SAMPLED FOR  
VERIFICATION DUE TO THE FACT THAT A PRE-DETERMINED  
DEPTH FOR EXCAVATION WAS GIVEN TO OHM BY USACE.**

**PRE-DETERMINED DEPTH: 12"**

Hand-drawn site plan of a residential property. The plan shows a large rectangular lot with a "House" in the center. To the left is a "SIDEWALK" and a "Porch" with steps. To the right is a "Stack" and a "Sewer Pipe". The lot is surrounded by a "CONCRETE" border. Dimensions are given in feet, including a 50' width and a 134' length. Various points (P1, P2, P3, P15, P16) and lines are marked.

Hand-drawn site plan of a residential property. The plan shows a large rectangular lot with a "House" in the center. To the left is a "SIDEWALK" and a "Porch" with dimensions 10 1/2' and 5 1/2'. To the right is a "STACK" and a "SEWER PIPE". The lot is surrounded by a "CONCRETE" driveway and "GRASS" areas. Dimensions are provided for various sections and distances between points P1, P2, P3, P4, and P5. A north arrow is located in the top right corner.

Hand-drawn site plan of a residential property. The plan shows a large rectangular lot with a "House" in the center. To the left is a "SIDEWALK" and a "Porch" with dimensions 10 1/2' and 5 1/2'. To the right is a "STACK" and a "SEWER PIPE". The lot is surrounded by a "CONCRETE" driveway and "GRASS" areas. Dimensions are provided for various sections and distances between points P1, P2, P3, P4, and P5. A north arrow is located in the top right corner.

Hand-drawn site plan of a residential property. The plan shows a large rectangular lot with a "House" in the center. To the left is a "SIDEWALK" and a "Porch" with dimensions 10 1/2' and 5 1/2'. To the right is a "STACK" and a "SEWER PIPE". The lot is surrounded by a "CONCRETE" driveway and "GRASS" areas. Dimensions are provided for various sections and distances between points P1, P2, P3, P4, and P5. A north arrow is located in the top right corner.

Hand-drawn site plan of a residential property. The plan shows a large rectangular lot with a "House" in the center. To the left is a "SIDEWALK" and a "Porch" with dimensions 10 1/2' and 5 1/2'. To the right is a "STACK" and a "SEWER PIPE". The lot is surrounded by a "CONCRETE" driveway and "GRASS" areas. Dimensions are provided for various sections and distances between points P1, P2, P3, P4, and P5. A north arrow is located in the top right corner.

Hand-drawn site plan of a residential property. The plan shows a large rectangular lot with various features and dimensions. The overall dimensions of the lot are 134' (width) and 50' (depth). The plan includes a 'House' area, a 'Porch' area, a 'Sewer Pipe' line, a 'Stack' area, and a 'Sidewalk' area. Dimensions are provided for various sections and distances between points. The plan is oriented with the 'House' area on the left and the 'Sewer Pipe' line running vertically on the right. The 'Stack' area is located near the top right corner. The 'Sidewalk' area is located along the bottom edge. The plan is divided into several sections by lines and points labeled P1, P2, P3, P4, P5, P6, P7, P8, P9, P10, P11, P12, P13, P14, P15, P16, P17, P18, P19, P20, P21, P22, P23, P24, P25, P26, P27, P28, P29, P30, P31, P32, P33, P34, P35, P36, P37, P38, P39, P40, P41, P42, P43, P44, P45, P46, P47, P48, P49, P50, P51, P52, P53, P54, P55, P56, P57, P58, P59, P60, P61, P62, P63, P64, P65, P66, P67, P68, P69, P70, P71, P72, P73, P74, P75, P76, P77, P78, P79, P80, P81, P82, P83, P84, P85, P86, P87, P88, P89, P90, P91, P92, P93, P94, P95, P96, P97, P98, P99, P100. The plan is oriented with the 'House' area on the left and the 'Sewer Pipe' line running vertically on the right. The 'Stack' area is located near the top right corner. The 'Sidewalk' area is located along the bottom edge. The plan is divided into several sections by lines and points labeled P1, P2, P3, P4, P5, P6, P7, P8, P9, P10, P11, P12, P13, P14, P15, P16, P17, P18, P19, P20, P21, P22, P23, P24, P25, P26, P27, P28, P29, P30, P31, P32, P33, P34, P35, P36, P37, P38, P39, P40, P41, P42, P43, P44, P45, P46, P47, P48, P49, P50, P51, P52, P53, P54, P55, P56, P57, P58, P59, P60, P61, P62, P63, P64, P65, P66, P67, P68, P69, P70, P71, P72, P73, P74, P75, P76, P77, P78, P79, P80, P81, P82, P83, P84, P85, P86, P87, P88, P89, P90, P91, P92, P93, P94, P95, P96, P97, P98, P99, P100.

Hand-drawn site plan of a residential property. The plan shows a large rectangular lot with various features and dimensions. The overall dimensions of the lot are 134' (width) and 50' (depth). The plan includes a 'House' area, a 'Porch' area, a 'Sewer Pipe' line, a 'Stack' area, and a 'Sidewalk' area. Dimensions are provided for various sections and distances between points. The plan is oriented with the 'House' area on the left and the 'Sewer Pipe' line running vertically on the right. The 'Stack' area is located near the top right corner. The 'Sidewalk' area is located along the bottom edge. The plan is divided into several sections, some of which are labeled with 'CONCRETE', 'GRASS', and 'ASPHALT'. The 'House' area is labeled 'House' and contains a 'Porch' area. The 'Porch' area is labeled 'Porch' and contains a 'P1' point. The 'Sewer Pipe' line is labeled 'SEWER PIPE' and contains a 'P15' point. The 'Stack' area is labeled 'STACK' and contains a 'P16' point. The 'Sidewalk' area is labeled 'SIDEWALK' and contains a 'P13' point. The plan also shows a 'P12' point and a 'P11' point. Dimensions are provided for various sections and distances between points. The plan is oriented with the 'House' area on the left and the 'Sewer Pipe' line running vertically on the right. The 'Stack' area is located near the top right corner. The 'Sidewalk' area is located along the bottom edge. The plan is divided into several sections, some of which are labeled with 'CONCRETE', 'GRASS', and 'ASPHALT'. The 'House' area is labeled 'House' and contains a 'Porch' area. The 'Porch' area is labeled 'Porch' and contains a 'P1' point. The 'Sewer Pipe' line is labeled 'SEWER PIPE' and contains a 'P15' point. The 'Stack' area is labeled 'STACK' and contains a 'P16' point. The 'Sidewalk' area is labeled 'SIDEWALK' and contains a 'P13' point. The plan also shows a 'P12' point and a 'P11' point. Dimensions are provided for various sections and distances between points.

Hand-drawn site plan of a residential property. The plan shows a large rectangular lot with various features and dimensions. The overall dimensions of the lot are 134' (width) and 50' (depth). The plan includes a 'House' area, a 'Porch' area, a 'Sewer Pipe' line, a 'Stack' area, and a 'Sidewalk' area. Dimensions are provided for various sections and distances between points. The plan is oriented with the 'House' area on the left and the 'Sewer Pipe' line running vertically on the right. The 'Stack' area is located near the top right corner. The 'Sidewalk' area is located along the bottom edge. The plan is divided into several sections, some of which are labeled with 'CONCRETE', 'GRASS', and 'ASPHALT'. The 'House' area is labeled 'House' and contains a 'Porch' area. The 'Porch' area is labeled 'Porch' and contains a 'P1' point. The 'Sewer Pipe' line is labeled 'SEWER PIPE' and contains a 'P15' point. The 'Stack' area is labeled 'STACK' and contains a 'P16' point. The 'Sidewalk' area is labeled 'SIDEWALK' and contains a 'P13' point. The plan also shows a 'P12' point and a 'P11' point. Dimensions are provided for various sections and distances between points. The plan is oriented with the 'House' area on the left and the 'Sewer Pipe' line running vertically on the right. The 'Stack' area is located near the top right corner. The 'Sidewalk' area is located along the bottom edge. The plan is divided into several sections, some of which are labeled with 'CONCRETE', 'GRASS', and 'ASPHALT'. The 'House' area is labeled 'House' and contains a 'Porch' area. The 'Porch' area is labeled 'Porch' and contains a 'P1' point. The 'Sewer Pipe' line is labeled 'SEWER PIPE' and contains a 'P15' point. The 'Stack' area is labeled 'STACK' and contains a 'P16' point. The 'Sidewalk' area is labeled 'SIDEWALK' and contains a 'P13' point. The plan also shows a 'P12' point and a 'P11' point. Dimensions are provided for various sections and distances between points.

Hand-drawn site plan of a residential property. The plan shows a large rectangular lot with a "House" in the center. To the left is a "SIDEWALK" and a "Porch" with stairs. To the right is a "Stack" and a "Sewer Pipe". The lot is surrounded by a "CONCRETE" border. Dimensions are given in feet, including a 50' width and a 134' length. Various points (P1, P2, P3, P15, P16) and lines are marked.

Hand-drawn site plan of a residential property. The plan shows a large rectangular lot with a "House" in the center. The house has a main rectangular section and a smaller section to the right. Dimensions are provided for various parts of the lot and house:

- Lot Dimensions:**
  - Top boundary: 134'
  - Right boundary: 110'
  - Bottom boundary: 50'
  - Left boundary: 7'
- House Dimensions:**
  - Main section: 28' x 23'
  - Right section: 15' x 9'
  - Front porch: 10' x 5'
  - Back porch: 5' x 5'
- Other Features:**
  - Stack:** Located near the top right corner.
  - Sewer Pipe:** Located near the bottom right corner.
  - Points:** P1, P2, P3, P4, P5 are marked on the lot.
  - Driveway:** Labeled "DRIVE" near the top right.
  - Grass:** Areas labeled "GRASS" are shown on the left and right sides of the lot.
  - Concrete:** Areas labeled "CONCRETE" are shown near the house and along the bottom boundary.
  - Asphalt:** Labeled "ASPHALT" near the bottom right corner.

Hand-drawn site plan of a residential property. The plan shows a large rectangular lot with a "House" in the center. The house has a main rectangular section and a smaller section to the right. Dimensions are provided for various parts of the lot and house:

- Lot Dimensions:**
  - Top boundary: 134'
  - Right boundary: 110'
  - Bottom boundary: 50'
  - Left boundary: 7'
- House Dimensions:**
  - Main section: 28' x 23'
  - Right section: 15' x 9'
  - Front porch: 10' x 5'
  - Back porch: 5' x 5'
- Other Features:**
  - Stack:** A rectangular structure on the right side of the lot.
  - Sewer Pipe:** A line running along the right side of the lot.
  - Points:** P1, P2, P3, P4, P5, P6 are marked on the lot.
  - Driveway:** A 3' wide driveway on the left side.
  - Grass:** Areas labeled "Grass" are shown on the left and right sides of the lot.
  - Concrete:** Areas labeled "Concrete" are shown on the left and right sides of the lot.
  - Asphalt:** A small area labeled "Asphalt" is shown on the right side of the lot.

## **1633 DELMAR AVE.**

<b>Action Date:</b>	December 9, 1993
<b>Loadout:</b>	December 11, 1993
<b>Restoration Begins:</b>	December 10, 1993
<b>Restoration Completed:</b>	December 13, 1993

- ▶ An excavation depth of 6 inches was established by USACE prior to work commencing.
- ▶ The excavation of special waste yielded an estimated 111 cubic yards, which was shipped to Laidlaw-Roxanna for disposal.
- ▶ During excavation activities, the concrete steps in front of the residence were chipped. This was repaired during the restoration phase.
- ▶ After sod installation, Munie Outdoor Construction Co. crews watered until sod was stable.
- ▶ Equipment utilized during excavation:
  - Takeuchi TL26 Mini Track Loader (Rental)
  - Bobcat X225 Mini Excavator (Rental)
  - Case 580 Backhoe (Rental)
  - John Deere 444 Front Loader (Rental)
- ▶ Subcontractors:
  - Cunningham Trucking Co.
    - Hauled Special Waste
  - Laidlaw-Roxanna
    - Special Waste Disposal
  - Munie Outdoor Construction Co.
    - Sod Installation
  - Metro East Sand
    - Backfill
    - Sand
    - Topsoil
  - L. Wolf Co.
    - Concrete

- ▶ Quantity Summaries:
  - See Figure AE.1
- ▶ Verification Analytical:
  - See Figure AE.2

Stack emission sites were not sampled for verification due to the fact that a pre-determined depth for excavation was given to OHM by USACE.

Pre-Determined Depth: 6"

**SITE NAME**      1633 DELMAR

<b>SITE #</b>	<b>HAZ CU YD</b>	<b>SPEC CU YD</b>	<b>CA-7 TONS</b>	<b>CA-6 TONS</b>	<b>BACKFILL</b>	<b>SAND</b>	<b>SEED/SOD</b>	<b>ROCK</b>	<b>TOP SOIL</b>
1633		111		32.25	81 TON		495 SQ YD		



# OHM CORPORATION

**PROJECT 13407**

## PRE-CHARACTERIZATION SAMPLING RESULTS

**SITE NAME:** 1633 DELMAR

[illegible]

**OHM CORPORATION  
PROJECT 13407  
GRANITE CITY, IL  
12/6/94**

**SITE NAME: 1633 DELMAR**

**STACK EMISSION SITES WERE NOT SAMPLED FOR  
VERIFICATION DUE TO THE FACT THAT A PRE-DETERMINED  
DEPTH FOR EXCAVATION WAS GIVEN TO OHM BY USACE.**

**PRE-DETERMINED DEPTH: 6"**

A hand-drawn site plan of a property, oriented with the street frontage at the top. The plan includes the following features and dimensions:

- Property Dimensions:** The frontage is 50' and the depth is 150'.
- House:** A large rectangular structure with a width of 47' and a depth of 10'. A smaller section to its right is 15' wide and 10' deep.
- Driveway:** Labeled "DRIVEWAY ROCK/CONCRETE", it is 18' wide and 16' deep. It has a sloped section with a 3/4' rise and a 3/4' run.
- Garage:** A structure measuring 13 1/2' by 22'.
- Side Walk:** A path measuring 57 1/2' in length, located between the house and the driveway.
- Other Features:** A "WOOD CHIPS" area is shown on the left side of the property. A "SIDEWALK" is located at the bottom of the plan, with a width of 5'.

chi

1633 DELMAR  
7 1-1-1

## 1440 GRAND AVENUE

**Action Date:** December 10, 1993  
**Loadout:** December 16, 1993  
**Restoration Begins:** December 14, 1993  
**Restoration Completed:** December 20, 1993

- ▶ An excavation depth of 12 inches was established by USACE prior to work commencing.
- ▶ The excavation of special waste yielded an estimated 111 cubic yards, which was shipped to Laidlaw-Roxanna for disposal.
- ▶ During Backfill activities, an outdoor water spigot was broken. This was repaired immediately.
- ▶ After sod installation, Munie Outdoor Construction Co. crews watered until sod was stable.
- ▶ Equipment utilized during excavation.
  - Takeuchi TL26 Mini Track Loader (Rental)
  - Kubota KX41 Mini Excavator (Rental)
  - Case 580 Backhoe (Rental)
  - Komatsu PC90 Excavator (Rental)
- ▶ Subcontractors:
  - Cunningham Trucking Co.
    - Hauled Special Waste
  - Laidlaw-Roxanna.
    - Special Waste Disposal.
  - Munie Outdoor Construction Co.
    - Sod Installation
  - Metro East Sand
    - Backfill
- ▶ Quantity Summaries

- See Figure AF.1
- Verification Analytical:
  - See Figure AF.2

Stack emission sites were not sampled for verification due to the fact that a pre-determined depth for excavation was given to OHM by USACE.

Pre-Determined Depth: 12"

**SITE NAME**      1440 GRAND

SITE #	HAZ CU YD	SPEC CU YD	CA-7 TONS	CA-6 TONS	BACKFILL	SAND	SEED/SOD	ROCK	TOP SOIL
1440		111			18 TON		230 SQ YD		80 CU YD

**OHM CORPORATION**  
**PROJECT 13407**

**PRE-CHARACTERIZATION SAMPLING RESULTS**

**SITE NAME: 1440 GRAND**

<b>SAMPLE NUMBER</b>	<b>TOTAL LEAD MG/KG</b>	<b>TCLP LEAD MG/L</b>
S1440-001	727	0.2
S1440-002	403	
S1440-004	1020	0.33
S1440-005	242	
S1440-007	677	0.37
S1440-008	528	
S1440-010	859	0.19
S1440-011	590	
S1440-013	444	0.18
S1440-014	531	



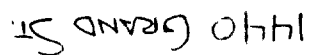
**OHM CORPORATION  
PROJECT 13407  
GRANITE CITY, IL  
12/6/94**

**SITE NAME: 1440 GRAND**

**STACK EMISSION SITES WERE NOT SAMPLED FOR  
VERIFICATION DUE TO THE FACT THAT A PRE-DETERMINED  
DEPTH FOR EXCAVATION WAS GIVEN TO OHM BY USACE.**

**PRE-DETERMINED DEPTH: 12"**

Drawn By PDC



## 1643 EDISON

**Action Date:** December 13, 1993  
**Loadout:** December 15, 1993  
**Restoration Begins:** December 15, 1993  
**Restoration Completed:** December 28, 1993

- ▶ An excavation depth of 6 inches was established by USACE prior to work commencing.
- ▶ The excavation of special waste yielded an estimated 129.5 cubic yards, which was shipped to Laidlaw-Roxanna for disposal.
- ▶ After sod installation, Munie Outdoor Construction Co. crews watered until sod was stable.
- ▶ Equipment utilized during excavation:
  - Takeuchi TL26 Mini Track Loader (Rental)
  - Bobcat X225 Mini Excavator (Rental)
  - John Deere 444 Front Loader (Rental)
- ▶ Subcontractors:
  - Cunningham Trucking Co.
    - Hauled Special Waste
  - Laidlaw-Roxanna
    - Special Waste Disposal.
  - Munie Outdoor Construction Co.
    - Sod Installation
  - Metro East Sand
    - Backfill
  - L. Wolf Co.
    - Concrete
- ▶ Quantity Summaries:
  - See Figure AG.1

- Verification Analytical:
  - See Figure AG.2

Stack emission sites were not sampled for verification due to the fact that a pre-determined depth for excavation was given to OHM by USACE.

Pre-Determined Depth: 6"

SITE NAME      1643 EDISON

SITE #	HAZ CU YD	SPEC CU YD	CA-7 TONS	CA-6 TONS	BACKFILL	SAND	SEED/SOD	ROCK	TOP SOIL
1643		129.5		14.15			585 SQ YD		128 CU YD

**OHM CORPORATION**  
**PROJECT 13407**

## PRE-CHARACTERIZATION SAMPLING RESULTS

**SITE NAME:** 1643 EDISON

[illegible]

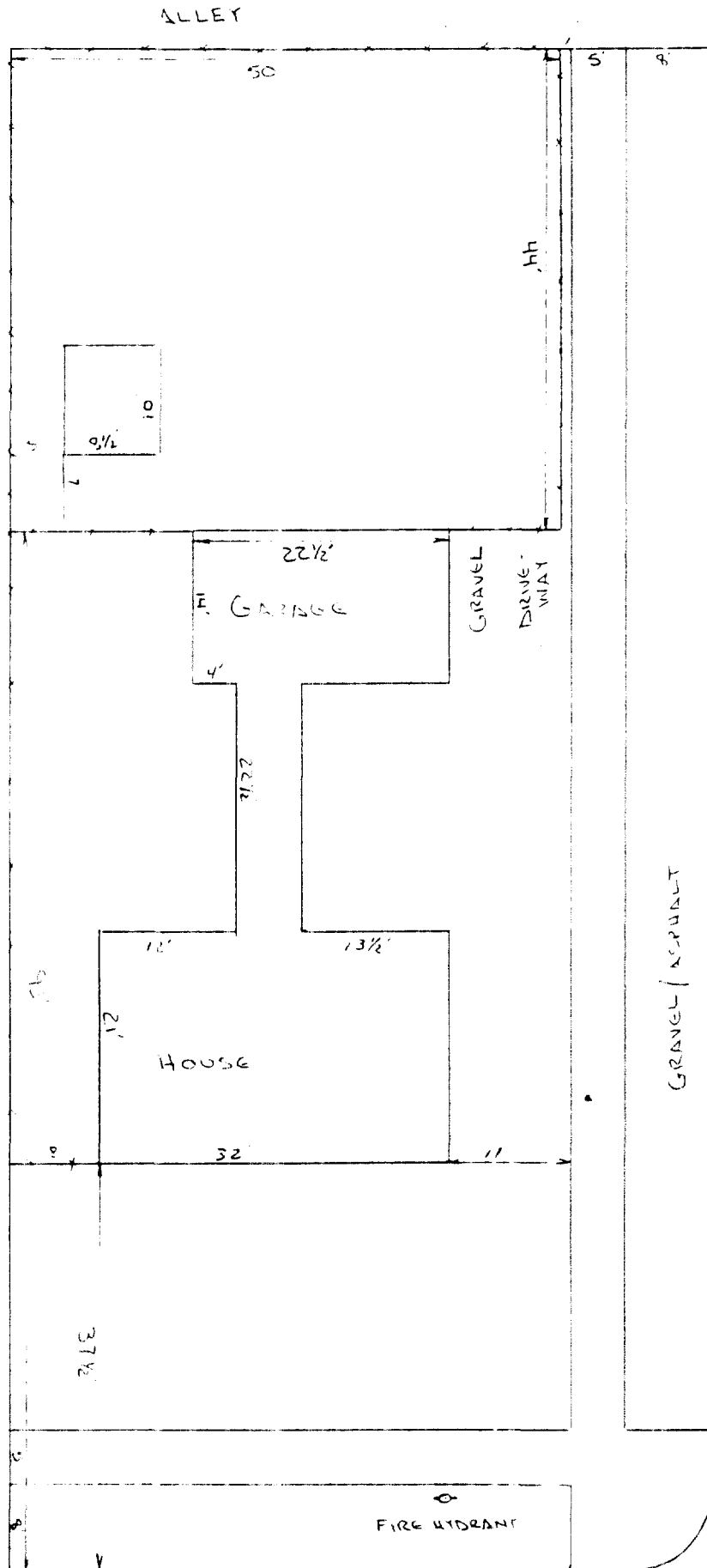
**OHM CORPORATION  
PROJECT 13407  
GRANITE CITY, IL  
12/6/94**

**SITE NAME: 1643 EDISON**

**STACK EMISSION SITES WERE NOT SAMPLED FOR  
VERIFICATION DUE TO THE FACT THAT A PRE-DETERMINED  
DEPTH FOR EXCAVATION WAS GIVEN TO OHM BY USACE.**

**PRE-DETERMINED DEPTH: 6"**





1643 EDISON ST.

DRAWN BY PDC

**1444 GRAND**

<b>Action Date:</b>	January 4, 1994
<b>Loadout:</b>	January 7, 1994
<b>Restoration Begins:</b>	January 7, 1994
<b>Restoration Completed:</b>	February 4, 1994

- See Figure AH.1
- Verification Analytical:
  - See Figure AH.2

Stack emission sites were not sampled for verification due to the fact that a pre-determined depth for excavation was given to OHM by USACE.

Pre-Determined Depth: 12"

**SITE NAME**      1444 GRAND

SITE #	HAZ CU YD	SPEC CU YD	CA-7 TONS	CA-6 TONS	BACKFILL	SAND	SEED/SOD	ROCK	TOP SOIL	3" STONE
1444		296		90			700 SQ YD		415.58	15 TON

**OHM CORPORATION**  
**PROJECT 13407**

**PRE-CHARACTERIZATION SAMPLING RESULTS**

**SITE NAME: 1444 GRAND**

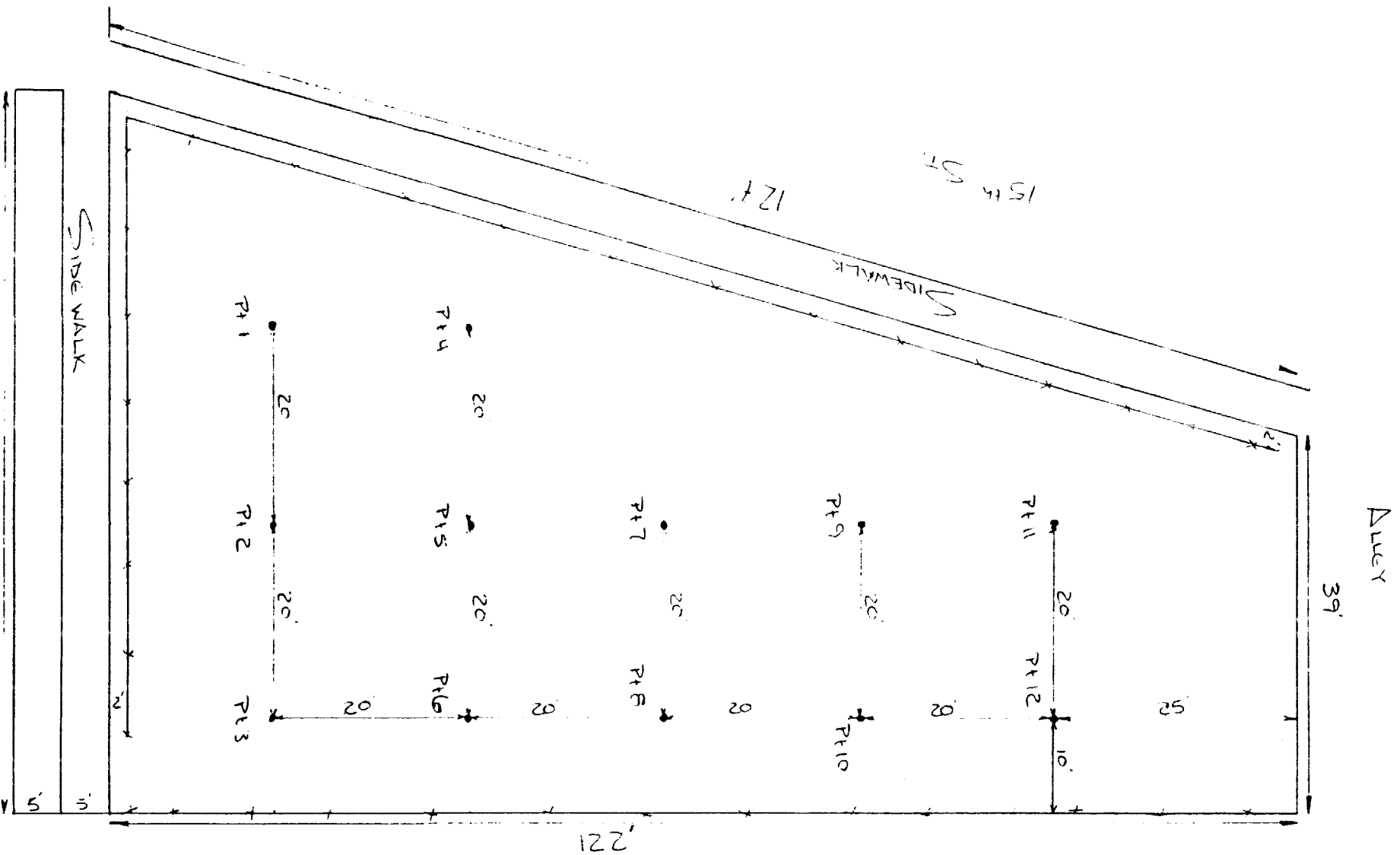
<b>SAMPLE NUMBER</b>	<b>TOTAL LEAD MG/KG</b>	<b>TCLP LEAD MG/L</b>
S1444-001	1540	0.68
S1444-002	983	
S1444-004	1490	0.74
S1444-005	1570	
S1444-007	1890	0.94
S1444-008	1230	
S1444-010	655	0.18
S1444-011	440	
S1444-013	1580	0.46
S1444-014	2300	

**OHM CORPORATION  
PROJECT 13407  
GRANITE CITY, IL  
12/6/94**

**SITE NAME: 1444 GRAND**

**STACK EMISSION SITES WERE NOT SAMPLED FOR  
VERIFICATION DUE TO THE FACT THAT A PRE-DETERMINED  
DEPTH FOR EXCAVATION WAS GIVEN TO OHM BY USACE.**

**PRE-DETERMINED DEPTH: 12"**



Drawn By [Signature]



## 1423 MADISON

<b>Action Date:</b>	January 17, 1994
<b>Loadout:</b>	February 10, 1994
<b>Restoration Begins:</b>	February 10, 1994
<b>Restoration Completed:</b>	February 14, 1994

- ▶ An excavation depth of 12 inches was established by USACE prior to work commencing.
- ▶ The excavation of special waste yielded an estimated 37 cubic yards, which was shipped to Laidlaw-Roxanna for disposal.
- ▶ After sod installation, OHM Corp. crews watered until sod was stable.
- ▶ Equipment utilized during excavation:
  - Takeuchi TL26 Mini Track Loader (Rental).
  - John Deere 444 Front Loader (Rental)
  - Kubota KX41 Mini Excavator (Rental)
  - Komatsu PC90 Excavator (Rental)
- ▶ Subcontractors:
  - Cunningham Trucking Co.
    - Hauled Special Waste
  - Laidlaw-Roxanna
    - Special Waste Disposal
  - Metro East Sand
    - Backfill
- ▶ Quantity Summaries:
  - See Figure AI.1
- ▶ Verification Analytical:
  - See Figure AI.2

Stack emission sites were not sampled for verification due to the fact that a pre-determined depth for excavation was given to OHM by USACE.

Pre-Determined Depth: 12"

## ***1423 MADISON***

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Site Name: 1423 Madison

Stack emission sites were not sampled for verification due to the fact that a pre-determined depth for excavation was given to OHM by USACE.

Pre-determined depth: 12 inch

**SITE NAME**      1423 MADISON

<b>SITE #</b>	<b>HAZ CU YD</b>	<b>SPEC CU YD</b>	<b>CA-7 TONS</b>	<b>CA-6 TONS</b>	<b>BACKFILL</b>	<b>SAND</b>	<b>SEED/SOD</b>	<b>ROCK</b>	<b>TOP SOIL</b>	<b>3" STONE</b>
1423		37		147.9		109.4	300 SQ YD		154 CU YD	

**OHM CORPORATION**  
**PROJECT 13407**

## PRE-CHARACTERIZATION SAMPLING RESULTS

**SITE NAME:** 1423 MADISON

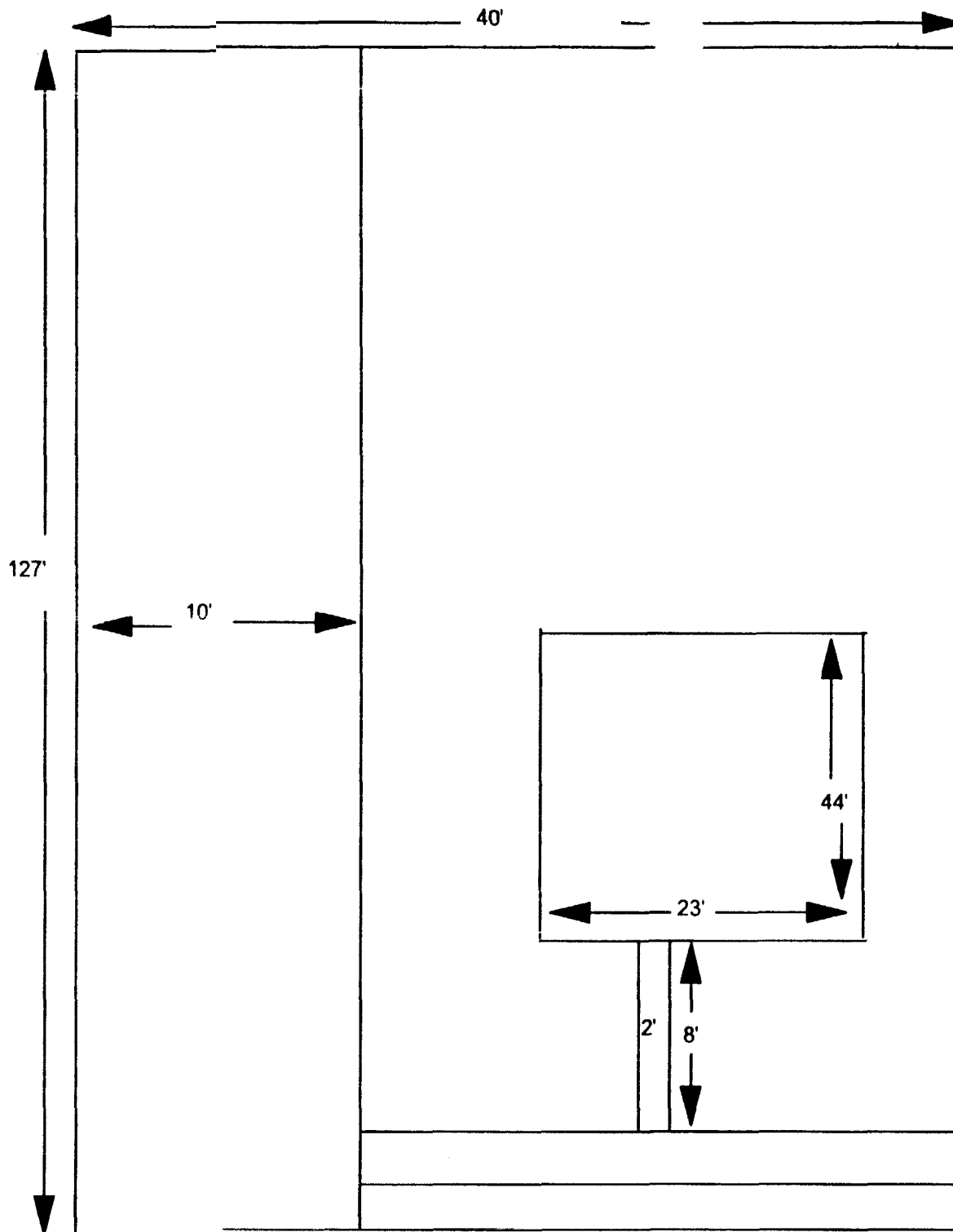
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**OHM CORPORATION  
PROJECT 13407  
GRANITE CITY, IL  
12/6/94**

**SITE NAME: 1423 MADISON**

**STACK EMISSION SITES WERE NOT SAMPLED FOR  
VERIFICATION DUE TO THE FACT THAT A PRE-DETERMINED  
DEPTH FOR EXCAVATION WAS GIVEN TO OHM BY USACE.**

**PRE-DETERMINED DEPTH: 12"**



1423 MADISON  
TOTAL DIMENSION:  
40' X 121'

## Alley #53

**Action Date:** April 26, 1994  
**Loadout:** May 13, 1994  
**Restoration Begins:** May 20, 1994  
**Restoration Completed:** May 25, 1994

- ▶ Visual contamination was excavated yielding an estimated 551 cubic yards of hazardous waste, which was shipped to the Trust 454 site for stabilization. The remaining excavation yielded an estimated 306 cubic yards of special waste, which was shipped to Laidlaw-Roxanna in Edwardsville, IL for disposal. This alley was the longest and excavation ranged to four feet in some areas due to heavy rains and muddy conditions during site activities. An approximately 75 foot length of fence belonging to the resident at the Granville Street end of the alley was damaged during operations. A suitable solution has not yet been resolved with the owner and the EPA.
- ▶ Tarring and chipping of this alley were completed during the week of September 4, 1994
- ▶ Equipment utilized during excavation
  - Komatsu D37 Bulldozer (Rental).
  - Komatsu WA180 Loader (Rental).
  - Komatsu PC150 Excavator (Rental).
  - JCB 214 Backhoe (Rental).
  - John Deere 444 Loader (Rental).
- ▶ Subcontractors:
  - \*Atlantic Waste Services
    - Hauled Hazardous Waste
  - \*Cunningham Trucking Co.
    - Hauled Special Waste
  - \*Laidlaw-Roxanna.
    - Special Waste Disposal.
  - \*Metro East Sand
    - Stone



- ▶ Quantity Summaries:

\*See Figure AJ.1

- ▶ Verification Analytical:

\*See Figure AJ.2

## QUANTITY SUMMARY

SITE NAME ALLEY 53

SUB CONTRACTOR H. WOLFE

SITE #	HAZ CU YD	SPEC CU YD	CA-7 TONS	CA-6 TONS	BACKFILL	SAND	SEED/SOD	BACKFILL	ROCK
53	550.4	306							592.45 TON

**OHM CORPORATION**  
**PROJECT 13407**

**PRE-CHARACTERIZATION SAMPLING RESULTS**

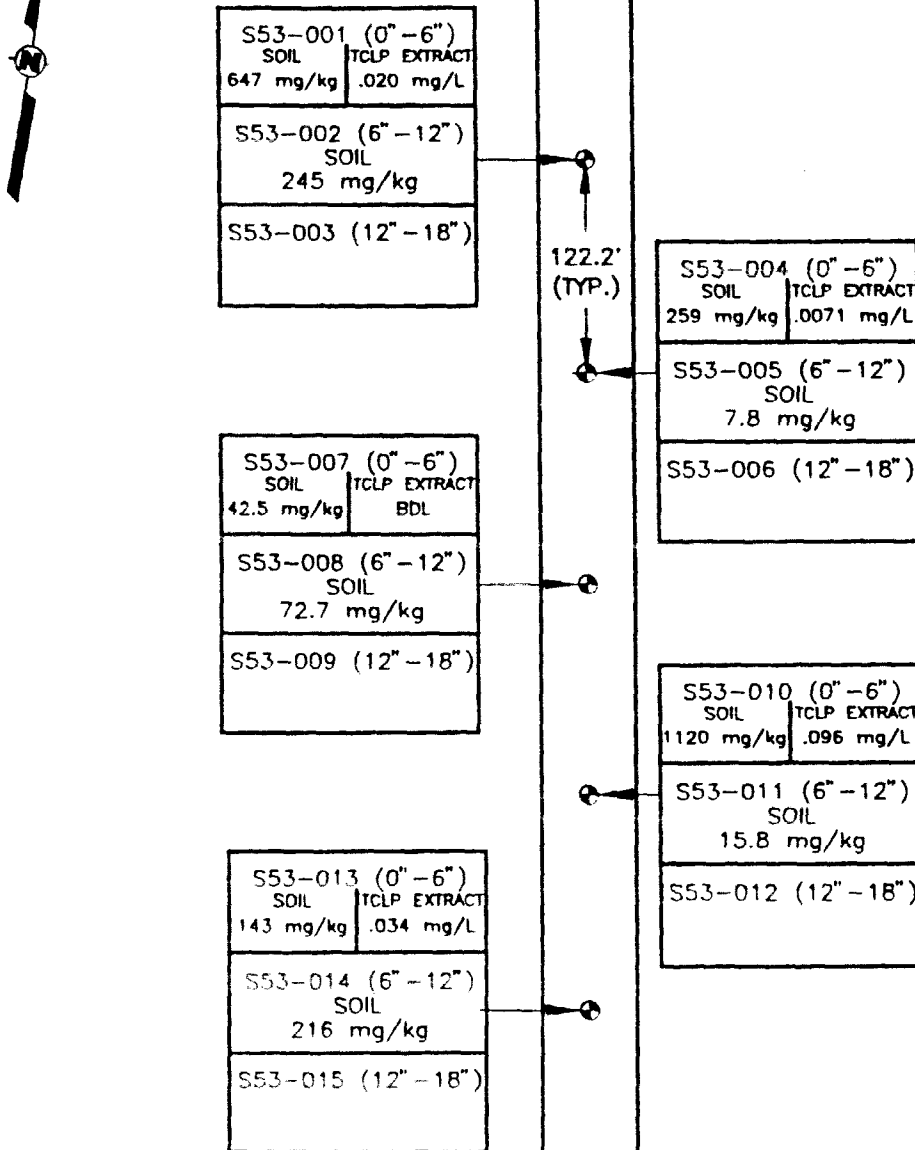
**SITE NAME: ALLEY 53**

<b>SAMPLE NUMBER</b>	<b>TOTAL LEAD MG/KG</b>	<b>TCLP LEAD MG/L</b>
S53-001	647	0.02
S53-002	245	
S53-004	259	0.0071
S53-005	7.8	
S53-007	42.5	BDL
S53-008	72.7	
S53-010	1120	0.096
S53-011	15.8	
S53-013	143	0.034
S53-014	216	

**ECC RESULTS**  
**ALLEY 53**

SECTION NUMBER	RESULTS MG/KG
S053 0102	25
S053 0202	118
S053 0302	165
S053 0401	307
S053 0501	90
S053 0601	238
S053 0701	167
S053 0801	70
S053 0901	166
S053 1001	82
S053 1102	219
S053 1202	165
S053 1302	246
S053 1401	198
S053 1501	300
S053 1602	152
S053 1701	365
S053 1802	124
S053 1901	206
S053 2001	448
S053 2101	197
S053 2202	175
S053 2302	313
S053 2402	289

# GRANVILLE



KERR

4TH STREET

General Notes:

SITE MAP  
ALLEY 53  
GRANITE CITY  
GRANITE CITY, ILLINOIS  
PREPARED FOR  
USE  
OMAHA, NEBRASKA

  
**OHM Corporation**  
Findlay, Ohio

Drawn By: D. KROSKE	Checked By:
Date: 8-19-93	Approved By: <i>QKH</i>
Scale: N.T.S.	Drawing No: ALLEY-53

## ALLEY #49

**Action Date:** May 2, 1994  
**Loadout:** May 10, 1994  
**Restoration Begins:** May 20, 1994  
**Restoration Completed:** May 25, 1994

- ▶ Visual contamination was excavated yielding an estimated 555 cubic yards of hazardous waste, which was shipped to the Trust 454 site for stabilization. The remaining excavation yielded an estimated 90 cubic yards of special waste, which was shipped to Laidlaw Waste Systems in Roxanna, IL for disposal. Total excavation ranged about 2 1/2 to 3 feet. No incidents.
- ▶ Tarring and chipping of this alley were completed during the week of September 4, 1994.
- ▶ Equipment utilized during excavation:
  - Komatsu D37 Bulldozer
  - John Deere 444 Loader
  - JCB 214 Backhoe
  - Komatsu WA180 Loader
  - 753 Bobcat
- ▶ Subcontractors:
  - AWS Haulers
    - Hauled Hazardous Waste
  - Cunningham Trucking Co.
    - Hauled Special Waste
  - Laidlaw-Roxanna.
    - Special Waste Disposal.
  - Metro East
    - Stone
  - L. Wolfe Co.
    - Rock
    - Tar Chip
    - Backfill

- ▶ Quantity Summaries:
  - See Figure AK.1
- ▶ Verification Analytical:
  - See Figure AK.2

## QUANTITY SUMMARY

SITE NAME ALLEY 49

SUB CONTRACTOR H. WOLFE

SITE #	HAZ CU YD	SPEC CU YD	CA-7 TONS	CA-6 TONS	BACKFILL	SAND	SEED/SOD	BACKFILL	ROCK
49	554.5	90							602.05 TON



**OHM CORPORATION**  
**PROJECT 13407**

**PRE-CHARACTERIZATION SAMPLING RESULTS**

**SITE NAME: ALLEY 49**

<b>SAMPLE NUMBER</b>	<b>TOTAL LEAD MG/KG</b>	<b>TCLP LEAD MG/L</b>
S49-001	377	0.008
S49-002	408	
S49-004	4300	18.2
S49-005	42.4	
S49-007	741	0.055
S49-008	122	
S49-010	118	0.42
S49-011	142	
S49-013	215	0.23
S49-014	56.1	

# ECC RESULTS

## ALLEY 49

### SECTION NUMBER RESULTS MG/KG

S049-0101	218
S049-0201	162
S049-0303	72.2
S049-0403	214
S049-0503	24.4
S049-0603	53
S049-0702	108
S049-0801	173
S049-0901	14.9
S049-1001	83.3
S049-1101	36.6
S049-1201	485
S049-1302	81.5
S049-1402	22.5
S049-1501	38.3
S049-1601	193 DUP 126
S049-1701	28.6
S049-1801	27.1
S049-1901	173
S049-2001	143
S049-2101	29.9

# JEFFERSON

KLEIN

S49-013 (0"-6")
SOIL    TCLP EXTRACT
215 mg/kg    .023 mg/L
S49-014 (6"-12")
SOIL
56.1 mg/kg
S49-015 (12"-18")

S49-007 (0"-6")
SOIL    TCLP EXTRACT
741 mg/kg    .055 mg/L
S49-008 (6"-12")
SOIL
122 mg/kg
S49-009 (12"-18")

S49-001 (0"-6")
SOIL    TCLP EXTRACT
377 mg/kg    .008 mg/L
S49-002 (6"-12")
SOIL
408 mg/kg
S49-003 (12"-18")

104.8'  
(TYP.)

S49-010 (0"-6")
SOIL    TCLP EXTRACT
118 mg/kg    .42 mg/L
S49-011 (6"-12")
SOIL
142 mg/kg
S49-012 (12"-18")

S49-004 (0"-6")
SOIL    TCLP EXTRACT
4300 mg/kg    18.2 mg/L
S49-005 (6"-12")
SOIL
42.4 mg/kg
S49-006 (12"-18")

# FILMORE

6<sup>TH</sup> STREET

Loc.    Notes:

SITE MAP  
ALLEY 49  
GRANITE CITY  
GRANITE CITY, ILLINOIS  
PREPARED FOR  
USE  
OMAHA, NEBRASKA

  
**OHM Corporation**  
Findlay, Ohio

Drawn By: D. KROSKE	Checked By:
Date: 8-19-93	Approved By: <i>Jeff</i>
Scale: N.T.S.	Drawing No: ALLEY-49

## ALLEY #62

**Action Date:** May 6, 1994  
**Loadout:** June 14, 1994  
**Restoration Begins:** June 15, 1994  
**Restoration Completed:** June 22, 1994

- ▶ Visual contamination was excavated yielding an estimated 260 cubic yards of hazardous waste, which was shipped to the Trust 454 site for stabilization. The remaining excavation yielded an estimated 54 cubic yards of special waste, which was shipped to Laidlaw-Roxanna in Edwardsville, IL for disposal.
- ▶ Tarring and chipping of this alley were completed during the week of September 4, 1994.
- ▶ A sewage serviceline ran down the center of this alley. The resident at 201 Granville St. indicated they lost their sewage service during activities. After investigating, it was apparent that with no way of proving fault, the best solution was to repair it. This was done.
- ▶ Equipment utilized during excavation:
  - Komatsu D37 Bulldozer (Rental).
  - Komatsu WA180 Loader (Rental).
  - Ingersol-Rand 10 ton Smooth Drum Roller (Rental).
  - JCB 214 Backhoe (Rental).
  - John Deere 444 Loader (Rental).
  - Bobcat 753 Skid Steer Loader (Rental)
- ▶ Subcontractors:
  - Atlantic Waste Services
    - Hauled Hazardous Waste
  - Cunningham Trucking Co.
    - Hauled Special Waste
  - Laidlaw-Roxanna.
    - Special Waste Disposal.
  - Metro East Sand
    - Stone
- ▶ Quantity Summaries:

- See Figure AL.1
- ▶ Verification Analytical:
  - See Figure AL.2

**QUANTITY SUMMARY**

**SITE NAME** ALLEY 62

**SUB CONTRACTOR**

<b>SITE #</b>	<b>HAZ CU YD</b>	<b>SPEC CU YD</b>	<b>CA-7 TONS</b>	<b>CA-6 TONS</b>	<b>BACKFILL</b>	<b>SAND</b>	<b>SEED/SOD</b>	<b>BACKFILL</b>	<b>ROCK</b>
62	259.16	54							340.75

**OHM CORPORATION**  
**PROJECT 13407**

**PRE-CHARACTERIZATION SAMPLING RESULTS**

**SITE NAME: ALLEY 62**

<b>SAMPLE NUMBER</b>	<b>TOTAL LEAD MG/KG</b>	<b>TCLP LEAD MG/L</b>
S62-001	0.11	
S62-002	749	
S62-004	596	
S62-005	54.9	
S62-007	803	
S62-008	222	
S62-010	417	
S62-011	974	
S62-013	0.08	
S62-014	218	

## ECC RESULTS

### ALLEY 062

[illegible]



ABBOT

S62-013 (0"-6") TCLP EXTRACT 0.080 mg/L
S62-014 (6"-12") SOIL 218 mg/kg
S62-015 (12"-18")

S62-007 (0"-6") SOIL 803 mg/kg
S62-008 (6"-12") SOIL 222 mg/kg
S62-009 (12"-18")

S62-001 (0"-6") SOIL 0.11 mg/L
S62-002 (6"-12") SOIL 749 mg/kg
S62-003 (12"-18")

ALLEY

S62-010 (0"-6") SOIL 417 mg/kg
S62-011 (6"-12") SOIL 974 mg/kg
S62-012 (12"-18")

S62-004 (0"-6") SOIL 596 mg/kg
S62-005 (6"-12") SOIL 54.9 mg/kg
S62-006 (12"-18")

40.4' TYP.

2ND STREET

GRANVILLE

Ge Notes:

NOTE: ALL SAMPLES  
WERE TAKEN IN THE  
CENTER OF THE  
ALLEY.

SITE MAP  
ALLEY 62  
GRANITE CITY  
GRANITE CITY, ILLINOIS  
PREPARED FOR  
USACOE  
OMAHA, NEBRASKA



OHM Corporation  
Findlay, Ohio

Drawn By: L. D. HIGG	Checked By:
Date: 8-18-93	Approved By: J. L. H.
Scale: AS SHOWN	Drawing No: ALLEY-62

## **ALLEY #6**

**Action Date:** May 10, 1994  
**Loadout:** June 22, 1994  
**Restoration Begins:** June 23, 1994  
**Restoration Completed:** June 28, 1994

- ▶ Due to a 4" main gas service line running down the middle of the alley, excavation was cautious and much hand work was done. A sand barrier was placed over the gas line during restoration.
- ▶ Visual contamination was excavated yielding an estimated 312 cubic yards of hazardous waste, which was shipped to the Trust 454 site for stabilization. The remaining excavation yielded an estimated 162 cubic yards of special waste, which was shipped to Laidlaw-Roxanna in Edwardsville, IL for disposal.
- ▶ Total excavated depth was 2.5 to 3 feet deep.
- ▶ Tarring and chipping of this alley were completed during the week of September 4, 1994.
- ▶ During the restoration phase, the roller compacting the aggregate slid and damaged the property owner's chain link fence at the Seib Street end of the alley. The fence was repaired.
- ▶ Equipment utilized during excavation:
  - Komatsu D37 Bulldozer (Rental).
  - Bobcat 753 Skid Steer Loader (Rental).
  - Komatsu PC220 Excavator (Rental).
  - JCB 214 Backhoe (Rental).
  - John Deere 444 Loader (Rental).
  - Ingersol-Rand 10 ton Smooth Drum Roller (Rental).
- ▶ Subcontractors:
  - Atlantic Waste Services
    - Hauled Hazardous Waste
  - Cunningham Trucking Co.
    - Hauled Special Waste
  - Laidlaw-Roxanna
    - Special Waste Disposal

- Metro East Sand
  - Stone
- L. Wolf Co.
  - Tar & Chip Activities
- ▶ Quantity Summaries
  - See Figure AJ.1
- ▶ Verification Analytical
  - See Figure AJ.2

# QUANTITY SUMMARY

SITE NAME ALLEY 6

SUB CONTRACTOR H. WOLFE

SITE #	HAZ CU YD	SPEC CU YD	CA-7 TONS	CA-6 TONS	BACKFILL	SAND	SEED/SOD	BACKFILL	ROCK
6	312	234	289.25	250.64		163.8 TON			

**OHM CORPORATION**  
**PROJECT 13407**

**PRE-CHARACTERIZATION SAMPLING RESULTS**

**SITE NAME: ALLEY 6**

<b>SAMPLE</b>	<b>TOTAL LEAD</b>	<b>TCLP LEAD</b>
<b>NUMBER</b>	<b>MG/KG</b>	<b>MG/L</b>
S06-001	4680	20.6
S06-002	4030	
S06-004	338	0.85
S06-005	182	
S06-007	2270	4.5
S06-008	683	
S06-010	713	0.5
S06-011	1040	
S06-013	2720	13.7
S06-014	24.8	

## ECC RESULTS

### ALLEY 6

[illegible]

# MARKET

M E R I D O C I A

S06-013 (0"-6")
SOIL TCLP EXTRACT
2720 mg/kg 13.7 mg/L
S06-014 (6"-12")
SOIL
24.8 mg/kg
S06-015 (12"-18")

S06-007 (0"-6")
SOIL TCLP EXTRACT
2270 mg/kg 4.5 mg/L
S06-008 (6"-12")
SOIL
683 mg/kg
S06-009 (12"-18")

S06-001 (0"-6")
SOIL TCLP EXTRACT
4680 mg/kg 20.6 mg/L
S06-002 (6"-12")
SOIL
4030 mg/kg
S06-003 (12"-18")

S06-010 (0"-6")
SOIL TCLP EXTRACT
713 mg/kg 0.50 mg/L
S06-011 (6"-12")
SOIL
1040 mg/kg
S06-012 (12"-18")

S06-004 (0"-6")
SOIL TCLP EXTRACT
338 mg/kg .85 mg/L
S06-005 (6"-12")
SOIL
182 mg/kg
S06-006 (12"-18")

90.4'  
(TYP.)

# BISSEL

S L E B

General

SITE MAP  
ALLEY 6  
GRANITE CITY  
GRANITE CITY, ILLINOIS  
PREPARED FOR  
USE  
OMAHA, NEBRASKA

  
**OHM Corporation**  
Findlay, Ohio

Drawn By: D. KROSKE	Checked By:
Date: 8-19-93	Approved By: <i>Qelt</i>
Scale: N.T.S.	Drawing No: ALLEY-6

## **ALLEY #7.5**

**Action Date:** May 12, 1994  
**Loadout:** May 20, 1994  
**Restoration Begins:** June 23, 1994  
**Restoration Completed:** June 24, 1994

- ▶ Visual contamination was excavated yielding an estimated 240 cubic yards of hazardous waste, which was shipped to the Trust 454 site for stabilization. The remaining excavation yielded an estimated 160 cubic yards of special waste, which was shipped to Laidlaw-Roxanna in Edwardsville, IL for disposal. Total excavation ranged about 2-1/2 to 3 feet.
- ▶ Tarring and chipping activities were completed during the week of September 4, 1994.
- ▶ Due to sewer and gas lines running the length of the alley, excavation was cautious and a substantial amount of hand work was necessary. No incidents.
- ▶ Equipment utilized during excavation:
  - Komatsu D37 Bulldozer
  - John Deere 444 Loader
  - JCB 214 Backhoe
  - Komatsu PC 200 Trackhoe
  - Bobcat 753
  - 10 Ton Smooth Drum Roller
- ▶ Subcontractors:
  - AWS Haulers
    - Hauled Hazardous Waste
  - Cunningham Trucking Co.
    - Hauled Special Waste
  - Laidlaw-Roxanna
    - Special Waste Disposal
  - Metro East Sand
    - Stone



- L. Wolf Co.
  - Rock
  - Tar Chip
- ▶ Quantity Summaries:
  - See Figure AN.1
- ▶ Verification Analytical:
  - See Figure AN.2

**QUANTITY SUMMARY**

**SITE NAME** ALLEY 7.5

**SUB CONTRACTOR H. WOLFE**

<b>SITE #</b>	<b>HAZ CU YD</b>	<b>SPEC CU YD</b>	<b>CA-7 TONS</b>	<b>CA-6 TONS</b>	<b>BACKFILL</b>	<b>SAND</b>	<b>SEED/SOD</b>	<b>BACKFILL</b>	<b>ROCK</b>
7.5	240	162	259.1	100.17					

**OHM CORPORATION**  
**PROJECT 13407**

## PRE-CHARACTERIZATION SAMPLING RESULTS

**SITE NAME:** ALLEY 7.5

<b>SAMPLE NUMBER</b>	<b>TOTAL LEAD MG/KG</b>	<b>TCLP LEAD MG/L</b>
S07.5-001	8510	1.8
S07.5-002	279	
S07.5-004	3980	5.7
S07.5-005	655	
S07.5-007	1590	0.34
S07.5-008	411	
S07.5-010	1200	1.9
S07.5-011	157	
S07.5-013	624	0.18
S07.5-014	127	

## ECC RESULTS

### ALLEY 7.5

[illegible]

MARKER

SELBAVE

S7.5-013 (0"-6")	TCLP EXTRACT
SOIL	
624 mg/kg	.18 mg/L

S7.5-014 (6"-12")
SOIL
127 mg/kg

S7.5-015 (12"-18")
--------------------

S7.5-007 (0"-6")	TCLP EXTRACT
SOIL	
1590 mg/kg	.34 mg/L

S7.5-008 (6"-12")
SOIL
411 mg/kg

S7.5-009 (12"-18")
--------------------

S7.5-001 (0"-6")	TCLP EXTRACT
SOIL	
8510 mg/kg	1.8 mg/L

S7.5-002 (6"-12")
SOIL
279 mg/kg

S7.5-003 (12"-18")
--------------------

59.5'  
(TYP.)

S7.5-010 (0"-6")	TCLP EXTRACT
SOIL	
1200 mg/kg	1.9 mg/L

S7.5-011 (6"-12")
SOIL
157 mg/kg

S7.5-012 (12"-18")
--------------------

S7.5-004 (0"-6")	TCLP EXTRACT
SOIL	
3980 mg/kg	5.7 mg/L

S7.5-005 (6"-12")
SOIL
655 mg/kg

S7.5-006 (12"-18")
--------------------

MANHOLE

BISSEL

NOTE 1

SAMPLES WERE STAGGERED  
DUE TO NOT BEING  
ABLE TO PENETRATE THE  
ASPHALT

HEAVY BRUSH ON RIGHT  
SIDE

SITE MAP  
ALLEY 7.5  
GRANITE CITY  
GRANITE CITY, ILLINOIS  
PREPARED FOR  
USACE  
OMAHA, NEBRASKA

  
**OHM Corporation**  
Findlay, Ohio

Drawn By: D. KROSKE	Checked By:
Date: 8-19-93	Approved By: <i>QEH</i>
Scale: N.T.S.	Drawing No: ALLEY7_5

## **ALLEY #65**

**Action Date:** May 13, 1994  
**Loadout:** May 18, 1994  
**Restoration Begins:** May 26, 1994  
**Restoration Completed:** May 27, 1994

- ▶ Alley #65 ran along railroad right of way. The end of the alley nearest Abbott Street angled toward and away from the tracks before meeting the street; therefore, the railroad required a signed access agreement before allowing completion of this portion. That is why the alley was done in two parts.

### **PART I**

- ▶ Visual contamination was excavated yielding an estimated 160 cubic yards of hazardous waste, which was shipped to the Trust 454 site for stabilization. Total excavation ranged about 2 to 2-1/2 feet, with spots a bit deeper due to slag deposits from original backfill.

### **PART II**

**Action Date:** July 19, 1994  
**Loadout:** July 19, 1994  
**Restoration Begins:** July 23, 1994  
**Restoration Completed:** July 23, 1994

- ▶ Because this portion of the alley ran so close to the railroad tracks, an access agreement was required. A railroad flagman was also required to be present during excavation activities.
- ▶ Visual contamination was excavated yielding an estimated 57 cubic yards of hazardous waste, which was shipped to the Trust 454 site for stabilization. There was no special waste. Excavation ranged about 2 to 2-1/2 feet in depth.
- ▶ Equipment utilized during excavation:
  - Komatsu WA180 Loader
  - John Deere 444 Loader
  - JCB 214 Backhoe
  - Komatsu PC 90 Trackhoe
  - John Deere 310 Backhoe

- ▶ Subcontractors:
  - AWS Haulers
    - Hauled Hazardous Waste
  - Metro East
    - Stone
  - L. Wolfe Co.
    - Stone
- ▶ Quantity Summaries:
  - See Figure AO.1
- ▶ Verification Analytical:
  - See Figure AO.2

# QUANTITY SUMMARY

SITE NAME ALLEY 65

SUB CONTRACTOR H. WOLFE

SITE #	HAZ CU YD	SPEC CU YD	CA-7 TONS	CA-6 TONS	BACKFILL	SAND	SEED/SOD	BACKFILL	ROCK
65	168		16.21	57.31					227.95 TON



**OHM CORPORATION**  
**PROJECT 13407**

**PRE-CHARACTERIZATION SAMPLING RESULTS**

**SITE NAME: ALLEY 65**

<b>SAMPLE NUMBER</b>	<b>TOTAL LEAD MG/KG</b>	<b>TCLP LEAD MG/L</b>
S65-001	17	BDL
S65-002	21.6	
S65-004	165	BDL
S65-005	136	
S65-007	900	0.14
S65-008	141	
S65-010	315	BDL
S65-011	284	
S65-013	774	0.13
S65-014	139	

# ECC RESULTS

## ALLEY 65

[illegible]

ABBOT

HAMPDED

2<sup>ND</sup> STREET

S65-013 (0"-6")
SOIL   TCLP EXTRACT
774 mg/kg   .13 mg/L
S65-014 (6"-12")
SOIL
139 mg/kg
S65-015 (12"-18")

S65-007 (0"-6")
SOIL   TCLP EXTRACT
900 mg/kg   .14 mg/L
S65-008 (6"-12")
SOIL
141 mg/kg
S65-009 (12"-18")

S65-001 (0"-6")
SOIL   TCLP EXTRACT
17.0 mg/kg   BDL
S65-002 (6"-12")
SOIL
21.6 mg/kg
S65-003 (12"-18")

S65-010 (0"-6")
SOIL   TCLP EXTRACT
315 mg/kg   BDL
S65-011 (6"-12")
SOIL
284 mg/kg
S65-012 (12"-18")

S65-004 (0"-6")
SOIL   TCLP EXTRACT
165 mg/kg   BDL
S65-005 (6"-12")
SOIL
136 mg/kg
S65-006 (12"-18")

29.8'  
(TYP.)

Gen Notes:

SITE MAP  
ALLEY 65  
GRANITE CITY  
GRANITE CITY, ILLINOIS  
PREPARED FOR  
USE  
OMAHA, NEBRASKA



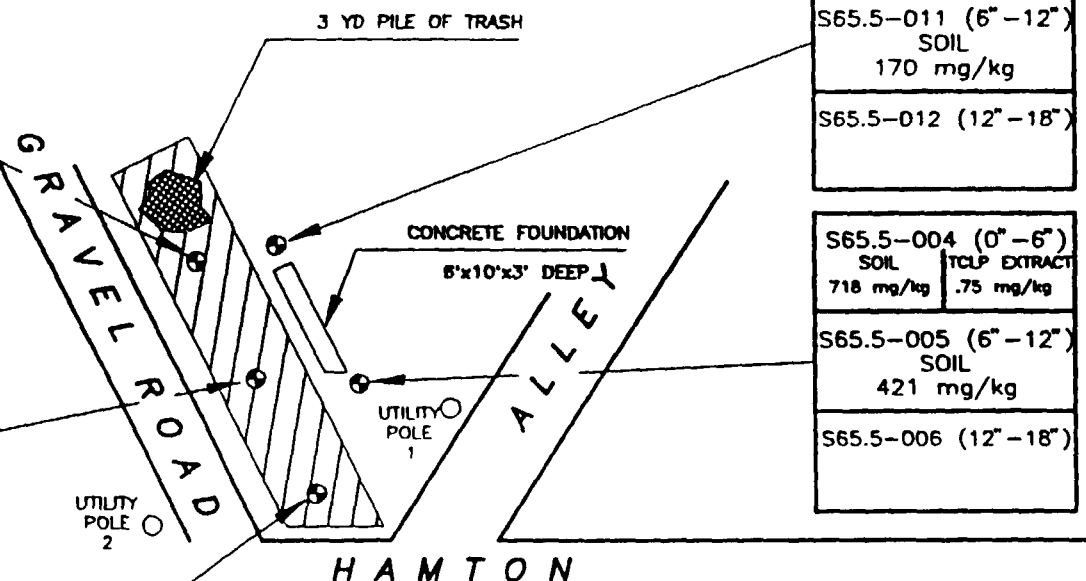
OHM Corporation  
Findlay, Ohio

Drawn By: D. KROSKE	Checked By:
Date: 8-18-95	Approved By: JLH
Scale: N.T.S.	Drawing No: ALLEY-65

S65.5-013 (0"-6")
SOIL   TCLP EXTRACT
161 mg/kg   0.12 mg/L
S65.5-014 (6"-12")
SOIL
30.7 mg/kg
S65.5-015 (12"-18")

S65.5-007 (0"-6")
SOIL   TCLP EXTRACT
1610 mg/kg   3.6 mg/L
S65.5-008 (6"-12")
SOIL
680 mg/kg
S65.5-009 (12"-18")

S65.5-001 (0"-6")
SOIL   TCLP EXTRACT
89.4 mg/kg   BDL
S65.5-002 (6"-12")
SOIL
75.9 mg/kg
S65.5-003 (12"-18")



S65.5-010 (0"-6")
SOIL   TCLP EXTRACT
177 mg/kg   0.11 mg/L
S65.5-011 (6"-12")
SOIL
170 mg/kg

S65.5-012 (12"-18")
---------------------

S65.5-004 (0"-6")
SOIL   TCLP EXTRACT
718 mg/kg   .75 mg/kg

S65.5-005 (6"-12")
SOIL
421 mg/kg

S65.5-006 (12"-18")
---------------------

2<sup>ND</sup> STREET

Ge Notes:

DISTANCES:

SAMPLE POINT	POLE 1	POLE 2
1-3	78.5'	80.5'
4-6	79.5'	90'
7-9	93'	87'
10-12	95'	98.5'
13-15	109'	99'

SITE MAP  
LOT 65.5  
GRANITE CITY  
GRANITE CITY, ILLINOIS  
PREPARED FOR  
LEASE  
OMAHA, NEBRASKA

  
**OHM Corporation**  
Findlay, Ohio

Drawn By: D. KROSKE	Checked By:
Date: 8-20-93	Approved By: <i>Q.H.H.</i>
Scale: N.T.S.	Drawing No: LOT 65.5

## **APPENDIX AP: Alley #65.5**

**Action Date: May 14, 1994**  
**Loadout: May 18, 1994**  
**Restoration Begins: June 10, 1994**  
**Restoration Completed: June 13, 1994**

- ▶ **Although termed "Alley", #65.5 actually looked like an old, filled in subgrade loading dock adjacent to alley #65. It also appeared that debris had accumulated in the area over time.**
  - ▶ **The dock area was excavated at the slope and grade it was originally constructed. The deep end of the slope ran against a concrete wall and went about 6 feet deep. Much heavy slag was encountered during excavation. At this depth OHM was directed by USACE to backfill.**
  - ▶ **Visual contamination was excavated yielding an estimated 144 cubic yards of hazardous waste, which was shipped to the Trust 454 site for stabilization.**
  - ▶ **No special waste was handled.**
  - ▶ **Tarring and chipping was not done on this site per USACE.**
  - ▶ **Equipment utilized during excavation:**
    - \* **John Deere 444 loader**
    - \* **JCB 214 Backhoe**
    - \* **Komatsu WA180 Loader**
  - ▶ **Subcontractors:**
    - \***AWS Haulers**
      - **Hauled Hazardous Waste**
    - \***Metro East**
      - **Stone**
- Quantity Summaries:**
- \***See Figure AP.1**
- ▶ **Verification Analytical:**
  - \***See Figure AP.2**

Alley 65.5 was not sampled for confirmation due to the fact that excavation was stopped due to depth of 6' that was reached. OHM was directed to stop excavation by USACE.

## QUANTITY SUMMARY

SITE NAME ALLEY 65.5

								SUB CONTRACTOR	
SITE #	HAZ CU YD	SPEC CU YD	CA-7 TONS	CA-6 TONS	BACKFILL	SAND	SEED/SOD	BACKFILL	ROCK
65.5	144								153.65

**OHM CORPORATION**  
**PROJECT 13407**

**PRE-CHARACTERIZATION SAMPLING RESULTS**

**SITE NAME: ALLEY 65.5**

<b>SAMPLE NUMBER</b>	<b>TOTAL LEAD MG/KG</b>	<b>TCLP LEAD MG/L</b>
S65.5-001	89.4	BDL
S65.5-002	75.9	
S65.5-004	718	0.11
S65.5-005	421	
S65.5-007	1810	3.6
S65.5-008	680	
S65.5-010	177	0.11
S65.5-011	170	
S65.5-013	161	0.12
S65.5-014	30.7	



**ALLEY 65.5 WAS NOT SAMPLED FOR CONFIRMATION DUE TO THE FACT THAT EXCAVATION WAS STOPPED DUE TO DEPTH OF 6' THAT WAS REACHED. OHM WAS DIRECTED TO STOP EXCAVATION BY USACE.**

## **ALLEY #62.5**

<b>Action Date:</b>	<b>May 14, 1994</b>
<b>Loadout:</b>	<b>June 14, 1994</b>
<b>Restoration Begins:</b>	<b>June 17, 1994</b>
<b>Restoration Completed:</b>	<b>June 22, 1994</b>

- ▶ Visual contamination was excavated yielding an estimated 176 cubic yards of hazardous waste, which was shipped to the Trust 454 site for stabilization. The remaining excavation yielded an estimated 72 cubic yards of special waste, which was shipped to Laidlaw-Roxanna in Edwardsville, IL for disposal. The excavation depth ranged from about three feet, with one area down to four feet on the Granville Street end of the alley, due to deposits of lead slag material. Construction activities were completed without interference.
- ▶ Tar and chip was not done on this alley because it is on a railroad right-of-way, per USACE.
- ▶ Equipment utilized during excavation:
  - Komatsu D37 Bulldozer (Rental).
  - JCB 214 Backhoe (Rental).
  - John Deere 444 Loader (Rental).
  - Bobcat 753 Skid Steer Loader (Rental).
- ▶ Subcontractors:
  - Atlantic Waste Services
    - Hauled Hazardous Waste
  - Cunningham Trucking Co.
    - Hauled Special Waste
  - Laidlaw-Roxanna
    - Special Waste Disposal
  - Metro East Sand
    - Stone
- ▶ Quantity Summaries
  - See Figure AQ.1

- ▶ Verification Analytical
  - See Figure Q.2

## QUANTITY SUMMARY

SITE NAME ALLEY 62.5

SUB CONTRACTOR H. WOLFE

SITE #	HAZ CU YD	SPEC CU YD	CA-7 TONS	CA-6 TONS	BACKFILL	SAND	SEED/SOD	BACKFILL	ROCK
62.5	175.9	72							268.72

ECC RESULTS  
ALLEY 62.5

[illegible]

GRANVILLE

S62.5-013 (0"-6")
SOIL    TCLP EXTRACT
514 mg/kg    BOL
S62.5-014 (6"-12")
SOIL
67.7 mg/kg
S62.5-015 (12"-18")

S62.5-007 (0"-6")
SOIL    TCLP EXTRACT
460 mg/kg    BOL
S62.5-008 (6"-12")
SOIL
384 mg/kg
S62.5-009 (12"-18")

S62.5-001 (0"-6")
SOIL    TCLP EXTRACT
666 mg/kg    .038 mg/kg
S62.5-002 (6"-12")
SOIL
7.7 mg/kg
S62.5-003 (12"-18")

S62.5-010 (0"-6")
SOIL    TCLP EXTRACT
900 mg/kg    .076 mg/kg
S62.5-011 (6"-12")
SOIL
514 mg/kg
S62.5-012 (12"-18")

S62.5-004 (0"-6")
SOIL    TCLP EXTRACT
1030 mg/kg    .030 mg/kg
S62.5-005 (6"-12")
SOIL
526 mg/kg
S62.5-006 (12"-18")

28.8"  
(TYP.)

ALLEY 62

2<sup>ND</sup> STREET

ABBOT

Notes:

SITE MAP  
ALLEY 62.5  
GRANITE CITY  
GRANITE CITY, ILLINOIS  
PREPARED FOR  
USACE  
OMAHA, NEBRASKA

  
**OHM Corporation**  
Findlay, Ohio

Drawn By: D. KROSKE	Checked By:
Date: 8-18-93	Approved By: JEA
Scale: N.T.S.	Drawing No: ALLE62_5

## ALLEY #13

**Action Date:** May 16, 1994  
**Loadout:** June 22, 1994  
**Restoration Begins:** June 24, 1994  
**Restoration Completed:** June 29, 1994

- Visual contamination was excavated yielding an estimated 288 cubic yards of hazardous waste, which was shipped to the Trust 454 site for stabilization. The remaining excavation yielded an estimated 108 cubic yards of special waste, which was shipped to Laidlaw-Roxanna in Edwardsville, IL for disposal. Total excavation ranged from two feet to four feet at the Meridocia Street end of the alley due to lead slag material. A buried phone line was also damaged at this end of the alley, which was repaired the next day.
- Tarring and chipping of this alley were completed during the week of September 4, 1994.
- Equipment utilized during excavation:
  - Komatsu D37 Bulldozer (Rental).
  - JCB 214 Backhoe (Rental).
  - John Deere 444 Loader (Rental).
  - Ingersol-Rand 10 ton Smooth Drum Roller (Rental)
- Subcontractors:
  - Atlantic Waste Services
    - Hauled Hazardous Waste
  - Cunningham Trucking Co.
    - Hauled Special Waste
  - Laidlaw-Roxanna
    - Special Waste Disposal.
  - Metro East Sand
    - Stone
  - L. Wolf Co.
    - Tar & Chip Activities

- ▶ Quantity Summaries:
  - See Figure AR.1
- ▶ Verification Analytical:
  - See Figure AR.2



QUANTITY SUMMARY

SITE NAME ALLEY 13

SUB CONTRACTOR H. WOLFE

SITE #	HAZ CU YD	SPEC CU YD	CA-7 TONS	CA-6 TONS	BACKFILL	SAND	SEED/SOD	BACKFILL	ROCK
13	288	108	283.59	337.74					

**OHM CORPORATION**  
**PROJECT 13407**

**PRE-CHARACTERIZATION SAMPLING RESULTS**

**SITE NAME: ALLEY 13**

<b>SAMPLE NUMBER</b>	<b>TOTAL LEAD MG/KG</b>	<b>TCLP LEAD MG/L</b>
S13-001	12000	4.3
S13-002	241	
S13-004	363	0.1
S13-005	35.3	
S13-007	486	0.11
S13-008	425	
S13-010	40.5	BDL
S13-011	40.3	
S13-013	6170	10.3
S13-014	1120	

## ECC RESULTS

### ALLEY 13

[illegible]

# CALHOON

MERIDOCIA

S13-001 (0"-6")
SOIL
12000 mg/kg
TCLP EXTRACT
4.5 mg/L
S13-002 (6"-12")
SOIL
241 mg/kg
S13-003 (12"-18")

S13-007 (0"-6")
SOIL
488 mg/kg
TCLP EXTRACT
0.11 mg/L
S13-008 (6"-12")
SOIL
425 mg/kg
S13-009 (12"-18")

S13-013 (0"-6")
SOIL
8170 mg/kg
TCLP EXTRACT
10.3 mg/L
S13-014 (6"-12")
SOIL
1120 mg/kg
S13-015 (12"-18")

30.4'  
(TYP.)

S13-004 (0"-6")
SOIL
383 mg/kg
TCLP EXTRACT
.10 mg/L
S13-005 (6"-12")
SOIL
35.3 mg/kg
S13-006 (12"-18")

S13-010 (0"-6")
SOIL
40.3 mg/kg
TCLP EXTRACT
SOIL
S13-011 (6"-12")
SOIL
40.3 mg/kg
S13-012 (12"-18")

# LOGAN

SLEB

SAMPLES WERE TAKEN IN THE MIDDLE OF THE ALLEY EXCEPT SAMPLE POINT S13-001/003. IT WAS STAGGERED DUE TO NOT BEING ABLE TO PENETRATE THE ASPHALT

SITE MAP  
ALLEY 15  
GRANITE CITY  
GRANITE CITY, ILLINOIS  
RETURNED FOR  
USE  
OMAHA, NEBRASKA

  
**OHM Corporation**  
Findlay, Ohio

Drawn By D. KROSE	Checked By
Date 8-18-93	Approved By <i>[Signature]</i>
Scale N.T.S.	Drawing No. ALLEY-15

SEP 16 '93 13:43 OHM MIDWEST REGION

OHM MIDWEST REGION

SEP 16 '93 03:23PM

## **1217 MARKET STREET**

**Action Date:** May 17, 1994  
**Loadout:** June 13, 1994  
**Restoration Begins:** June 16, 1994  
**Restoration Completed:** July 12, 1994  
**Lawn Watering:** July 12 to August 18, 1994

- ▶ Visual contamination was excavated yielding an estimated 228 cubic yards of hazardous waste, which was shipped to the Trust 454 site for stabilization.
- ▶ The remaining excavation yielded an estimated 144 cubic yards of special waste, which was shipped to Laidlaw, Roxanna. Excavation averaged 1 1/2 to 2 feet in depth.
- ▶ Within the excavation depth, OHM crews encountered and broke the house sewage and water services. The water service line was encountered at about 8" subgrade. The damaged portion of the sewer line was in an advanced state of deterioration. Both were repaired by an emergency plumbing service.
- ▶ During the restoration phase, backfill was brought in from the alley in back of the property. A truck driver had raised his bed to dump and pulled forward before lowering his bed. When he pulled forward, he damaged the electrical service to the house in the back of the property. This was repaired, also a sidewalk panel in front of the lot on Market Street that was damaged during construction activities was repaired.
- ▶ During and after sod installation, OHM crews watered the sod until it was stable.
- ▶ Equipment utilized during excavation:
  - 753 Bobcat
  - JCB 214 Backhoe
  - John Deere 444 Loader
- ▶ Subcontractors:
  - AWS Haulers
    - Hauled Hazardous Waste
  - Metro East
    - Stone
    - Backfill

- Cunningham Haulers
  - Special Waste
- L. Wolfe Co.
  - Restoration
- ▶ Quantity Summaries:
  - See Figure AS.1
- ▶ Verification Analytical:
  - See Figure AS.2

## QUANTITY SUMMARY

SITE NAME 1217 MARKET

SUB CONTRACTOR H. WOLFE

SITE #	HAZ CU YD	SPEC CU YD	CA-7 TONS	CA-6 TONS	BACKFILL	SAND	SEED/SOD	BACKFILL	ROCK
1217	228	144					SOD	6 LOADS	

**OHM CORPORATION**  
**PROJECT 13407**

**PRE-CHARACTERIZATION SAMPLING RESULTS**

**SITE NAME: 1217 MARKET**

<b>SAMPLE</b>	<b>TOTAL LEAD</b>	<b>TCLP LEAD</b>
<b>NUMBER</b>	<b>MG/KG</b>	<b>MG/L</b>
S104-037	185	0.043
S104-038	98.4	
S104-040	4450	6.5
S104-041	750	
S104-043	475	0.15
S104-044	330	
S104-046	454	0.12
S104-047	312	
S104-049	930	0.38
S104-050	690	



## ECC RESULTS

### 1217 MARKET

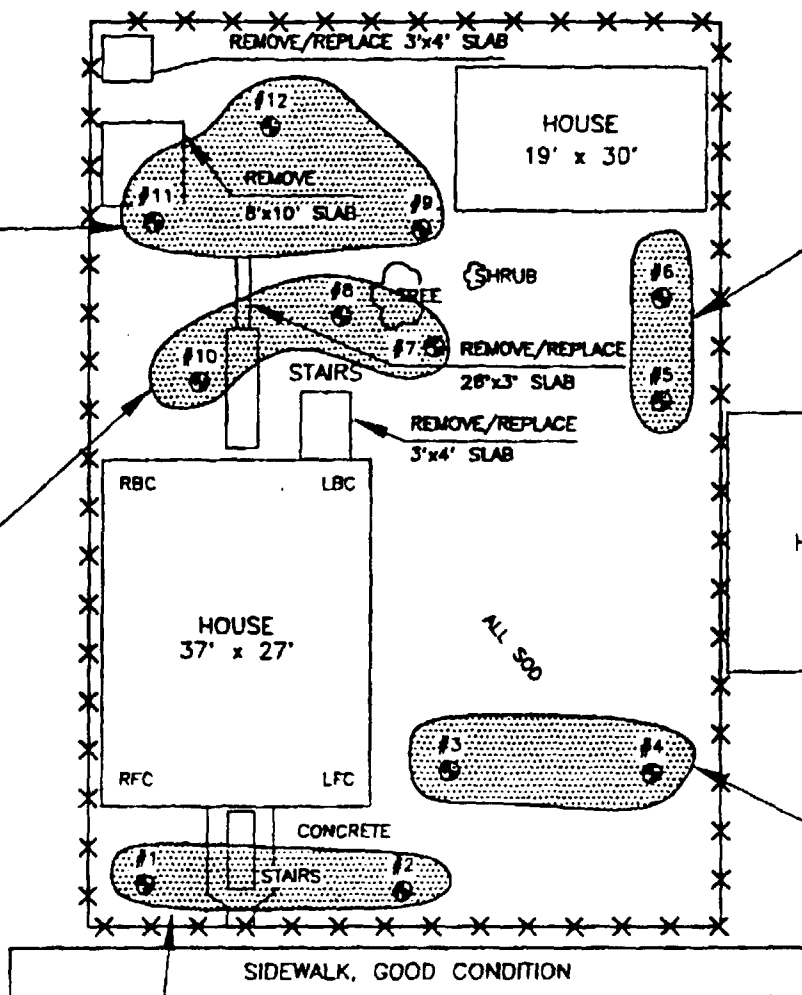
[illegible]

ALL

S104-049 (0"-6")
SOIL
930 mg/kg
TCLP EXTRACT
0.38 mg/L

S104-050 (6"-12")
SOIL
690 mg/kg
S104-051 (12"-18")

S104-046 (0"-6")
SOIL
454 mg/kg
TCLP EXTRACT
0.12 mg/L
S104-047 (6"-12")
SOIL
312 mg/kg
S104-048 (12"-18")



S104-043 (0"-6")
SOIL
475 mg/kg
TCLP EXTRACT
0.15 mg/L
S104-044 (6"-12")
SOIL
330 mg/kg
S104-045 (12"-18")

S104-040 (0"-6")
SOIL
4450 mg/kg
TCLP EXTRACT
8.5 mg/L
S104-041 (6"-12")
SOIL
750 mg/kg
S104-042 (12"-18")

S104-037 (0"-6")
SOIL
185 mg/kg
TCLP EXTRACT
0.043 mg/L
S104-038 (6"-12")
SOIL
98.4 mg/kg
S102-039 (12"-18")



COMPOSITE  
SAMPLE AREAS

SITE MAP  
LOT 104  
GRANITE CITY  
GRANITE CITY, ILLINOIS  
PROPERTY  
LEASE  
OMAHA, NEBRASKA



OHM Corporation  
Findlay, Ohio

Drawn By: D. KROGKE	Checked By:
Date: 8-23-93	Approved By: <i>[Signature]</i>
Scale: N.T.S.	Drawn for: LOT 104

AS

## **214 WATSON STREET**

<b>Action Date:</b>	May 17, 1994
<b>Loadout:</b>	June 14, 1994
<b>Restoration Begins:</b>	June 21, 1994
<b>Restoration Completed:</b>	July 19, 1994
<b>Watered:</b>	July 19 to August 9, 1994

- ▶ Visual contamination was excavated yielding an estimated 336 cubic yards of hazardous waste, which was shipped to the Trust 454 site for stabilization.
- ▶ The remaining excavation yielded an estimated 36 cubic yards of special waste, which was shipped to Laidlaw, Roxanna. Excavation averaged 6" to 12" in depth.
- ▶ During excavation activities, the cable TV line running from the house was broken.
- ▶ After seed was broadcast and mulched with straw, OHM crews watered until grass was stable.
- ▶ Equipment utilized during excavation:
  - PC220 Trackhoe
  - John Deere 310D Backhoe
  - John Deere 444 Loader
  - 15 KW Generator
  - 6.5 KW Generator
  - 853 Bobcat
  - 753 Bobcat
  - Ingerson 7 1/2 Ton Roller
- ▶ Subcontractors:
  - AWS Haulers
    - Hauled Hazardous Waste
  - Metro East
    - Backfill
  - Cunningham Haulers
    - Special Waste

- L. Wolfe
  - Restoration
- C. Grantham
  - Stone
- ▶ Quantity Summaries:
  - See Figure AT.1
- ▶ Verification Analytical:
  - See Figure AT.2

**QUANTITY SUMMARY**

**SITE NAME 214 WATSON**

**SUB CONTRACTOR H. WOLFE**

<b>SITE #</b>	<b>HAZ CU YD</b>	<b>SPEC CU YD</b>	<b>CA-7 TONS</b>	<b>CA-6 TONS</b>	<b>BACKFILL</b>	<b>SAND</b>	<b>SEED/SOD</b>	<b>BACKFILL</b>	<b>ROCK</b>
214	336	36			21 LOADS		SEED	24 LOADS	3 LOADS

PROJECT 13407

## RE-CHARACTERIZATION SAMPLING RESULTS

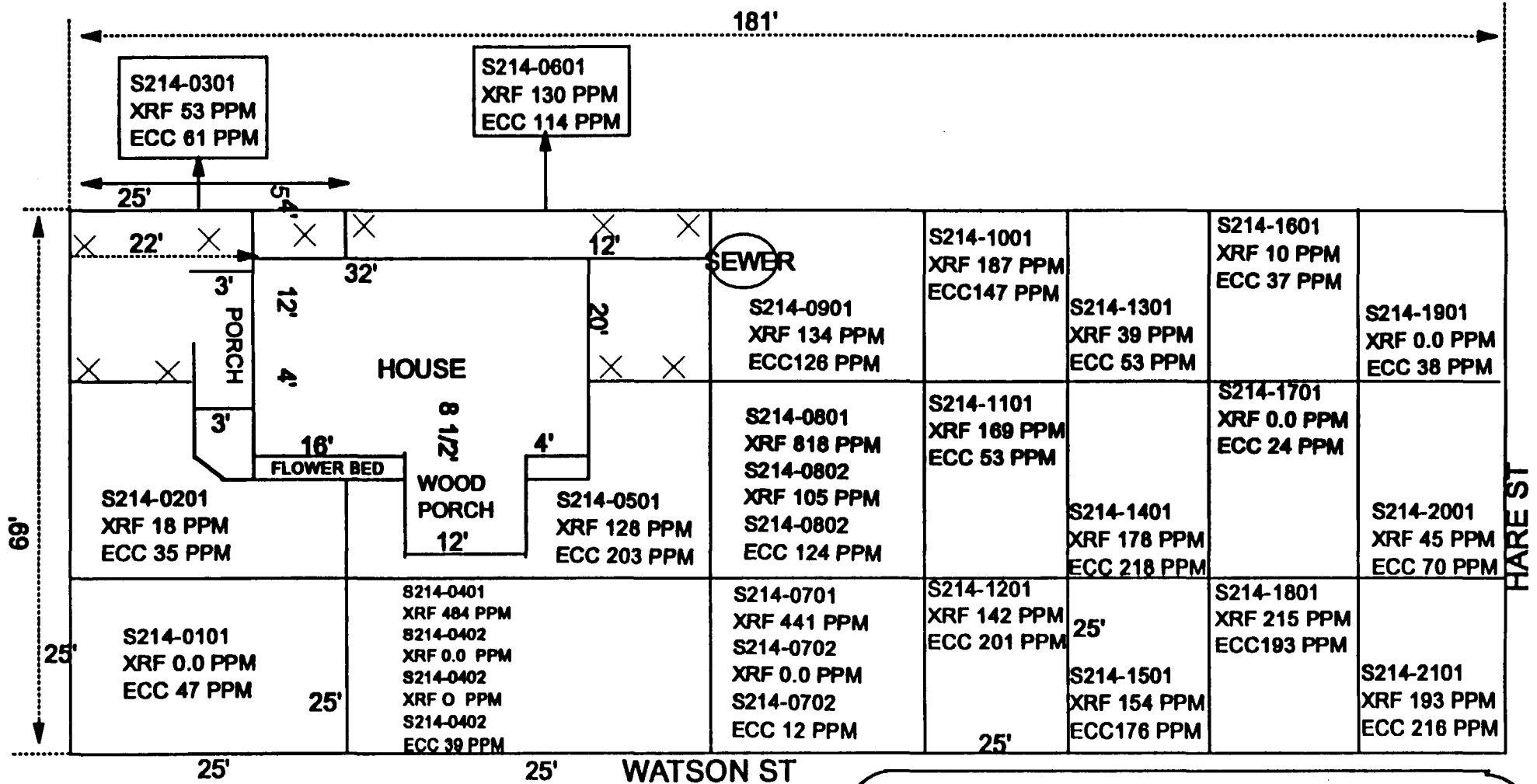
**SITE NAME: 214 WATSON**

[illegible]

# ECC RESULTS

## 214 WATSON

[illegible]



# 214 WATSON

**TOTAL DIMENSIONS**  
69' X 181'

**OHM Corporation**  
Findlay, Ohio

Drawn By: SLO	Checked By:
Date: 6/15/94	Approved By:
Scale: NTS	Drawing No:



## **209 HILL STREET**

<b>Action Date:</b>	May 19, 1994
<b>Loadout:</b>	June 16, 1994
<b>Restoration Begins:</b>	June 23, 1994
<b>Restoration Completed:</b>	July 15, 1994
<b>Watered:</b>	July 15, 1994 to August 10, 1994

- ▶ Visual contamination was excavated yielding an estimated 36 cubic yards of hazardous waste, which was shipped to the Trust 454 site for stabilization.
- ▶ The remaining excavation yielded an estimated 144 cubic yards of special waste, which was shipped to Laidlaw, Roxanna. Excavation averaged 12" in depth.
- ▶ After seed was broadcast and mulched with straw, OHM crews watered until grass was stable.
- ▶ Equipment utilized during excavation:
  - Komatsu PC90 Excavator
  - John Deere 444 Loader
  - 753 Bobcat
  - JCB 214 Backhoe
- ▶ Subcontractors:
  - AWS Haulers
    - Hauled Hazardous Waste
  - Cunningham Haulers
    - Special Waste
  - L. Wolfe
    - Restoration
- ▶ Quantity Summaries:
  - See Figure AU.1
- ▶ Verification Analytical:
  - See Figure AU.2

**QUANTITY SUMMARY**

**SITE NAME**    209 HILL

**SUB CONTRACTOR H. WOLFE**

<b>SITE #</b>	<b>HAZ CU YD</b>	<b>SPEC CU YD</b>	<b>CA-7 TONS</b>	<b>CA-6 TONS</b>	<b>BACKFILL</b>	<b>SAND</b>	<b>SEED/SOD</b>	<b>BACKFILL</b>	<b>ROCK</b>
209	36	144					SEED	16 LOADS	2 LOADS

**OHM CORPORATION**  
**PROJECT 13407**

## RE-CHARACTERIZATION SAMPLING RESULTS

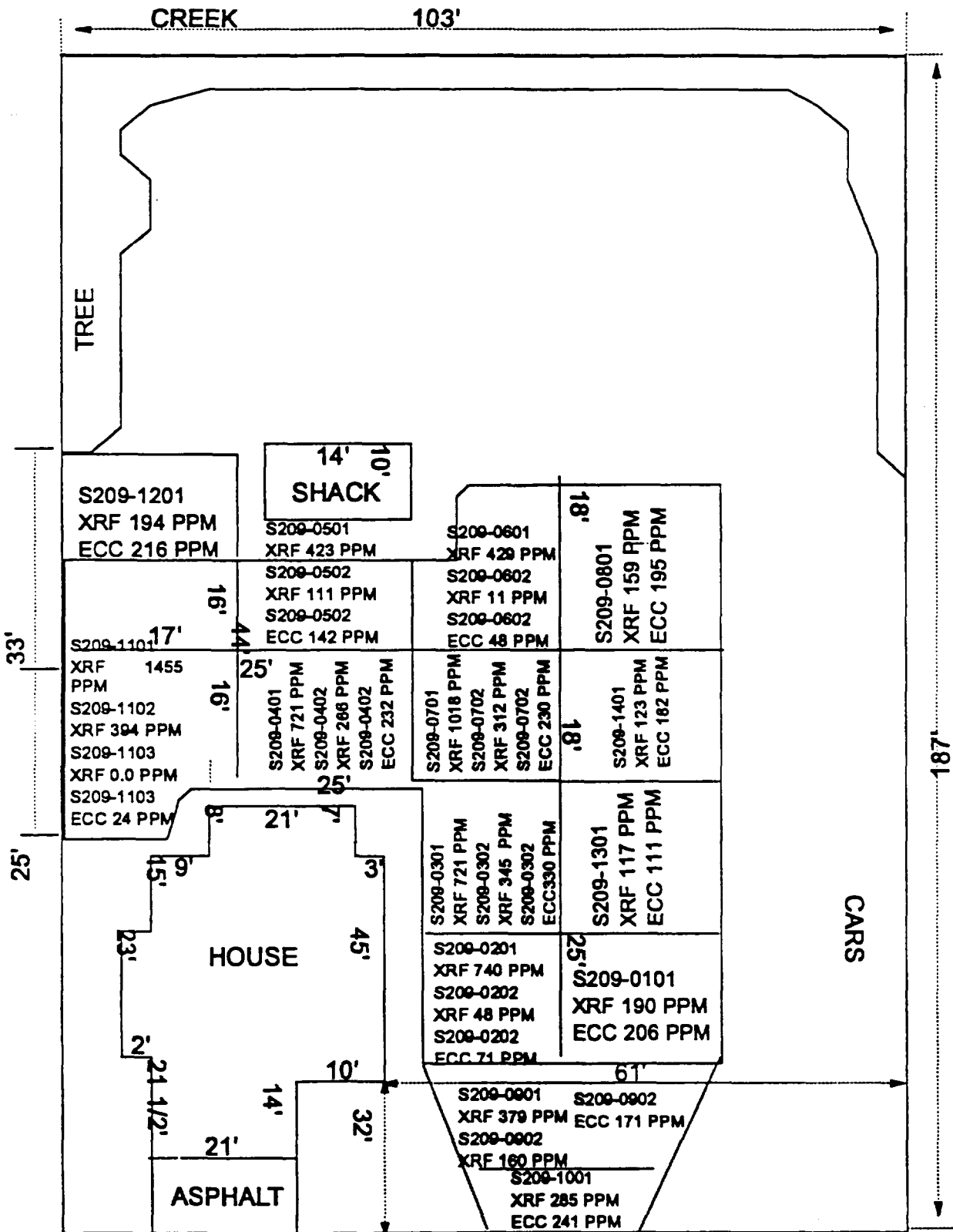
**SITE NAME: 209 HILL**

[illegible]

## ECC RESULTS

### 209 HILL

[illegible]



SECTIONS  
S209-1102  
S209-0901  
s209-1301  
ARE  
SPECIAL

## 209 HILL

TOTAL DIMENSIONS  
103' X 187'



**OHM Corporation**  
Findlay, Ohio

Drawn By: SLO	Checked By:
Date: REV. 6/14/94	Approved By:
Scale: NTS	Drawing No:

## **210 WATSON STREET**

**Action Date:** May 20, 1994  
**Loadout:** June 10, 1994  
**Restoration Begins:** June 16, 1994  
**Restoration Completed:** July 19, 1994  
**Watered:** July 19, 1994 to August 10, 1994

- ▶ Visual contamination was excavated yielding an estimated 180 cubic yards of hazardous waste, which was shipped to the Trust 454 site for stabilization.
- ▶ The remaining excavation yielded an estimated 54 cubic yards of special waste, which was shipped to Laidlaw, Roxanna. Excavation averaged 6" to 12" in depth.
- ▶ During excavation activities, a sewer service line going from the house to the septic tank was damaged. This was repaired.
- ▶ After seed was broadcast and mulched with straw, OHM crews watered until grass was stable.
- ▶ Equipment utilized during excavation:
  - John Deere 3100 Backhoe
  - John Deere 444 Loader
  - 753 Bobcat
  - JCB 214 Backhoe
- ▶ Subcontractors:
  - AWS Haulers
    - Hauled Hazardous Waste
  - Cunningham Haulers
    - Special Waste
  - L. Wolfe
    - Restoration
  - Metro East
    - Backfill

- ▶ Quantity Summaries:
  - See Figure AV.1
  
- ▶ Verification Analytical:
  - See Figure AV.2

## QUANTITY SUMMARY

SITE NAME 210 WATSON

SUB CONTRACTOR H. WOLFE

SITE #	HAZ CU YD	SPEC CU YD	CA-7 TONS	CA-6 TONS	BACKFILL	SAND	SEED/SOD	BACKFILL	ROCK
210	180	54			13 LOADS		SEED	3 LOADS	3 LOADS



**OHM CORPORATION**  
**PROJECT 13407**

## RE-CHARACTERIZATION SAMPLING RESULTS

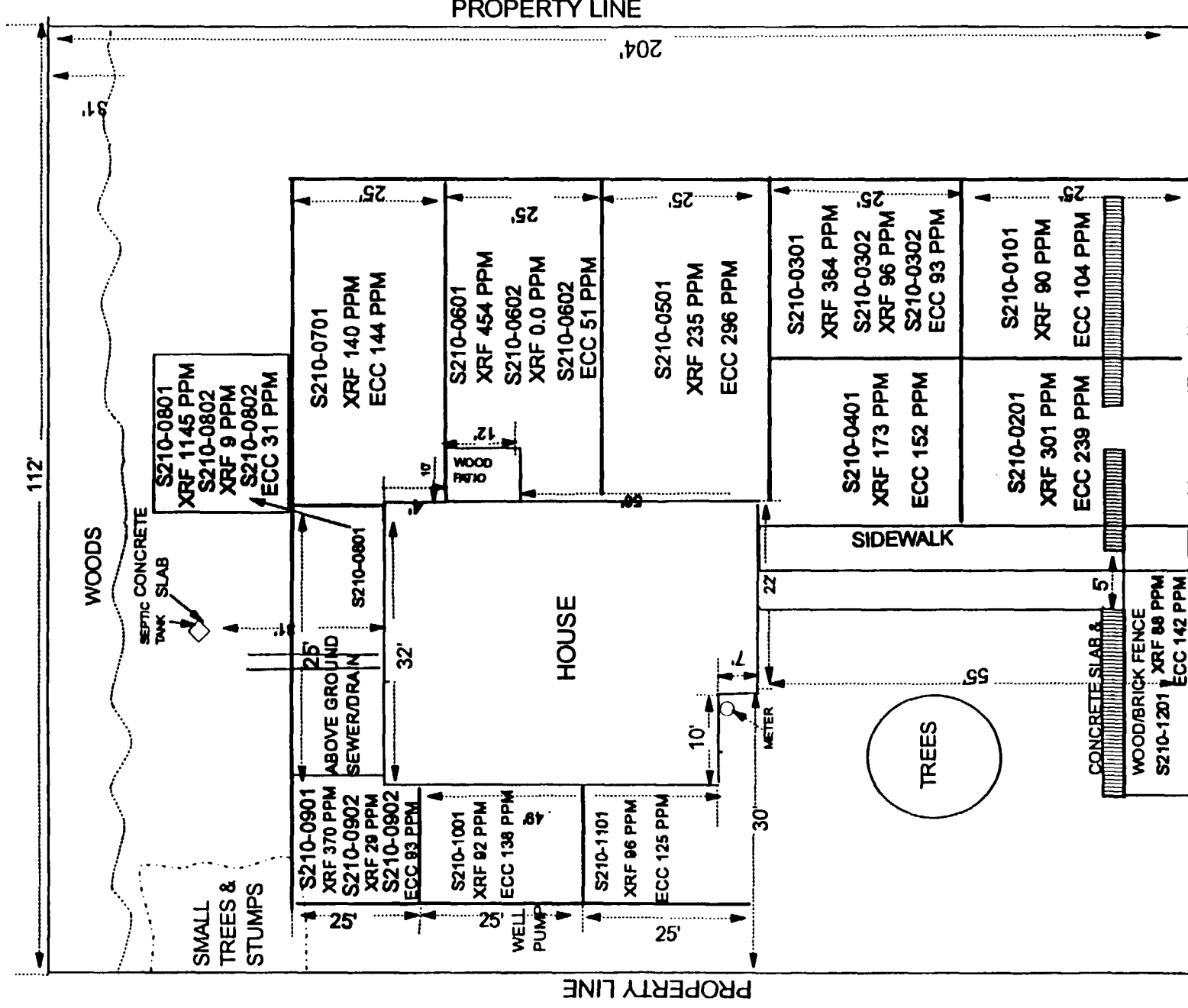
**SITE NAME: 210 WATSON**

[illegible]

## ECC RESULTS

### 210 WATSON

[illegible]



**TOTAL  
DIMENSIONS  
112' X 204'**

**OHM Corporation**  
Plym., Ohio

Drawn By: CRG	Checked By:
Date: REV. 6/7/94	Approved By:
Scale: NTS	Drawing No.:

## ALLEY #19

**Action Date:** May 24, 1994  
**Loadout:** June 22, 1994  
**Restoration Begins:** June 27, 1994  
**Restoration Completed:** June 29, 1994

- ▶ Visual contamination was excavated yielding an estimated 264 cubic yards of hazardous waste, which was shipped to the Trust 454 site for stabilization. The remaining excavation yielded an estimated 54 cubic yards of special waste, which was shipped to Laidlaw Waste Systems in Roxanna, IL for disposal. Total excavation ranged about 2 to 2-1/2 feet. No incidents.
- ▶ Tarring and chipping activities were completed on the alley during the week of September 4, 1994.
- ▶ Equipment utilized during excavation:
  - Komatsu D37 Bulldozer
  - John Deere 444 Loader
  - John Deere 370 Backhoe
  - 10 Ton Smooth Clade Roller
- ▶ Subcontractors:
  - AWS Haulers
    - Hauled Hazardous Waste
  - Cunningham Trucking Co.
    - Hauled Special Waste
  - Laidlaw-Roxanna
    - Special Waste Disposal
  - Metro East
    - Stone
  - L. Wolfe Co.
    - Tar Chip
- ▶ Quantity Summaries:
  - See Figure AW.1

- Verification Analytical:

- See Figure AW.2

**QUANTITY SUMMARY**

**SITE NAME**    ALLEY 19

**SUB CONTRACTOR H. WOLFE**

<b>SITE #</b>	<b>HAZ CU YD</b>	<b>SPEC CU YD</b>	<b>CA-7 TONS</b>	<b>CA-6 TONS</b>	<b>BACKFILL</b>	<b>SAND</b>	<b>SEED/SOD</b>	<b>BACKFILL</b>	<b>ROCK</b>
19	264	54	242.58	210.56					

**OHM CORPORATION**  
**PROJECT 13407**

**PRE-CHARACTERIZATION SAMPLING RESULTS**

**SITE NAME: ALLEY 19**

<b>SAMPLE NUMBER</b>	<b>TOTAL LEAD MG/KG</b>	<b>TCLP LEAD MG/L</b>
S19-001	707	1.7
S19-002	201	
S19-004	9600	3.6
S19-005	151	
S19-007	645	0.085
S19-008	263	
S19-010	1000	0.033
S19-011	41.8	
S19-013	4300	3.1
S19-014	1510	

## ECC RESULTS

### ALLEY 19

[illegible]



BACUM

COLLEGE

S19-001 (0"-6")	
SOIL	TCLP EXTRACT
707 mg/kg	1.7 mg/L

S19-002 (6"-12")	
SOIL	
201 mg/kg	

S19-003 (12"-18")	
-------------------	--

S19-007 (0"-6")	
SOIL	TCLP EXTRACT
645 mg/kg	.085 mg/L

S19-008 (6"-12")	
SOIL	
142 mg/kg	

S19-009 (12"-18")	
-------------------	--

S19-013 (0"-6")	
SOIL	TCLP EXTRACT
4300 mg/kg	3.1 mg/L

S19-014 (6"-12")	
SOIL	
1510 mg/kg	

S19-015 (12"-18")	
-------------------	--

74.2'  
(TYP.)

S19-004 (0"-6")	
SOIL	TCLP EXTRACT
9600 mg/kg	3.6 mg/L

S19-005 (6"-12")	
SOIL	
151 mg/kg	

S19-006 (12"-18")	
-------------------	--

S19-010 (0"-6")	
SOIL	TCLP EXTRACT
1000 mg/kg	0.033 mg/L

S19-011 (6"-12")	
SOIL	
41.8 mg/kg	

S19-012 (12"-18")	
-------------------	--

DOUGLAS

MERIDOCIA

Notes:

SITE MAP  
ALLEY 19  
GRANITE CITY  
GRANITE CITY, ILLINOIS  
PREPARED FOR  
USE  
OMAHA, NEBRASKA



OHM Corporation

Findlay, Ohio

Drawn By:  
D. KROSKE

Checked By:

Date:  
8-18-93

Approved By:  
JCH

Scale:  
N.T.S.

Drawing No:  
ALLEY-19

## 211 HILL STREET

<b>Action Date:</b>	May 24, 1994
<b>Loadout:</b>	June 9, 1994
<b>Restoration Begins:</b>	June 23, 1994
<b>Restoration Completed:</b>	June 15, 1994
<b>Watered:</b>	July 15 to August 18, 1994

- ▶ Visual contamination was excavated yielding an estimated 96 cubic yards of hazardous waste, which was shipped to the Trust 454 site for stabilization.
- ▶ No special waste was excavated. Excavation averaged 6" to 1 foot in depth.
- ▶ After seed was broadcast and mulched with straw, OHM crews watered until grass was stable.
- ▶ Equipment utilized during excavation:
  - 753 Bobcat
  - Komatsu PC-90 Excavator
  - John Deere 644 G Loader
  - John Deere 444 Loader
- ▶ Subcontractors:
  - AWS Haulers
    - Hauled Hazardous Waste
  - Metro East Sand
    - Backfill
  - L. Wolfe
    - Restoration
- ▶ Quantity Summaries:
  - See Figure AX.1
- ▶ Verification Analytical:
  - See Figure AX.2

**QUANTITY SUMMARY**

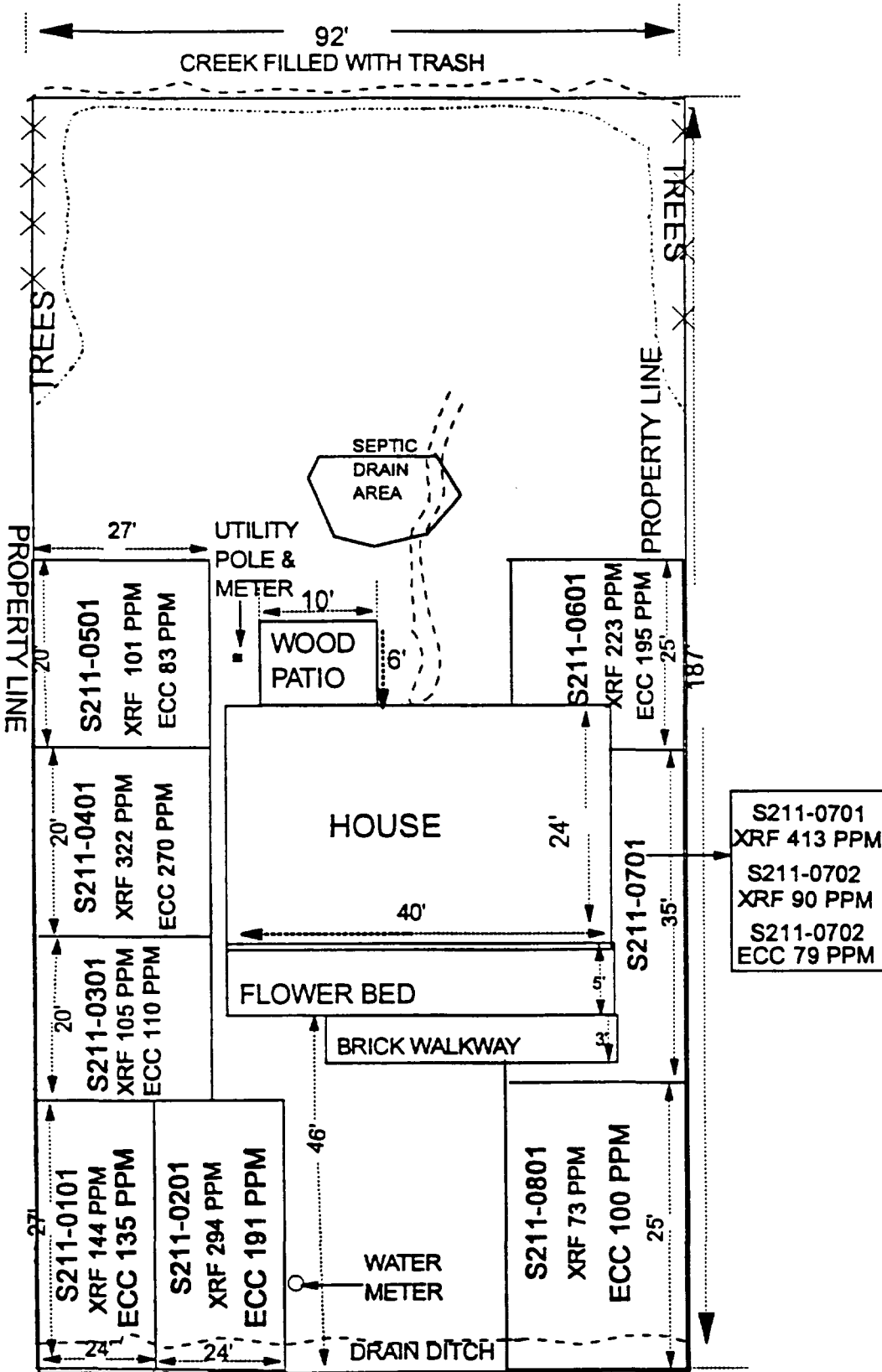
**SITE NAME**            211 HILL

**SUB CONTRACTOR H. WOLFE**

<b>SITE #</b>	<b>HAZ CU YD</b>	<b>SPEC CU YD</b>	<b>CA-7 TONS</b>	<b>CA-6 TONS</b>	<b>BACKFILL</b>	<b>SAND</b>	<b>SEED/SOD</b>	<b>BACKFILL</b>	<b>ROCK</b>
211	96						SEED	12 LOADS	1 LOAD

**ECC RESULTS**  
**211 BILL**

[illegible]



211 HILL ST.

TOTAL  
DIMENSIONS  
92' X 187'

**OHM Corporation**  
Findlay, Ohio

Drawn By: CRG	Checked By:
Date: REV. 6/7/94	Approved By:
Scale: NTS	Drawing No.:

## **ALLEY #36.5**

<b>Action Date:</b>	May 25, 1994
<b>Loadout:</b>	May 25, 1994
<b>Restoration Begins:</b>	June 13, 1994
<b>Restoration Completed:</b>	June 13, 1994

- ▶ Visual contamination was excavated yielding an estimated 24 cubic yards of hazardous waste, which was shipped to the Trust 454 site for stabilization. There was no special waste. Total excavation ranged about 1 1/2 to 2 feet.
- ▶ Equipment utilized during excavation:
  - JCB 214 Backhoe
  - Komatsu WA-180 Loader
- ▶ Subcontractors:
  - AWS Haulers
    - Hauled Hazardous Waste
  - Metro East
    - Stone
- ▶ Quantity Summaries:
  - See Figure AY.1
- ▶ Verification Analytical:
  - See Figure AY.2

**QUANTITY SUMMARY**

**SITE NAME** ALLEY 36.5(McKINLEY)

**SUB CONTRACTOR H. WOLFE**

<b>SITE #</b>	<b>HAZ CU YD</b>	<b>SPEC CU YD</b>	<b>CA-7 TONS</b>	<b>CA-6 TONS</b>	<b>BACKFILL</b>	<b>SAND</b>	<b>SEED/SOD</b>	<b>BACKFILL</b>	<b>ROCK</b>
36.5	24		14.57						

**OHM CORPORATION**  
**PROJECT 13407**

**PRE-CHARACTERIZATION SAMPLING RESULTS**

**SITE NAME: ALLEY 36.5**

<b>SAMPLE NUMBER</b>	<b>TOTAL LEAD MG/KG</b>	<b>TCLP LEAD MG/L</b>
S36.5-001	582	0.53
S36.5-002	471	
S36.5-004	305	0.99
S36.5-005	12.8	
S36.5-007	86.6	0.66
S36.5-008	99	
S36.5-010	30.8	BDL
S36.5-011	5.4	
S36.5-013	1530	0.55
S36.5-014	26.4	



## ECC RESULTS

### ALLEY 36.5

[illegible]

GRAVEL ROAD

ALLEY

MCKINLEY

S36.5-013 (0"-6")  
SOIL | TCLP EXTRACT  
1530 mg/kg | 0.55 mg/L

S36.5-014 (6"-12")  
SOIL  
26.4 mg/kg

S36.5-015 (12"-18")

S36.5-010 (0"-6")  
SOIL | TCLP EXTRACT  
30.8 mg/kg | BDL

S36.5-011 (6"-12")  
SOIL  
5.4 mg/kg

S36.5-012 (12"-18")

HOUSE

LC HOUSE RC

S36.5-007 (0"-6")  
SOIL | TCLP EXTRACT  
86.6 mg/kg | 0.66 mg/L

S36.5-008 (6"-12")  
SOIL  
99.0 mg/kg

S36.5-009 (12"-18")

S36.5-004 (0"-6")  
SOIL | TCLP EXTRACT  
305 mg/kg | .99 mg/kg

S36.5-005 (6"-12")  
SOIL  
12.8 mg/kg

S36.5-006 (12"-18")

S36.5-001 (0"-6")  
SOIL | TCLP EXTRACT  
582 mg/kg | .53 mg/kg

S36.5-002 (6"-12")  
SOIL  
471 mg/kg

S36.5-003 (12"-18")

Ge Notes:

DISTANCES:

SAMPLE POINT	HOUSE LC	HOUSE RC
1-3	56.5'	40'
4-6	53.5'	42'
7-9	55.5'	48'
10-12	44'	30.5'
13-15	44'	38'

SITE MAP  
LOT 36.5  
GRANITE CITY  
GRANITE CITY, ILLINOIS  
PREPARED FOR  
USACE  
OMAHA, NEBRASKA



OHM Corporation  
Findlay, Ohio

Drawn By: D. KROSKE	Checked By:
Date: 8-20-95	Approved By: QLH.
Scale: N.T.S.	Drawing No: LOT 36.5

## ALLEY #54.5

<b>Action Date:</b>	June 1, 1994
<b>Loadout:</b>	June 15, 1994
<b>Restoration Begins:</b>	June 22, 1994
<b>Restoration Completed:</b>	June 24, 1994

- ▶ The actual site was a shed in the rear of 115 Weber Street. During construction activities, the property owner asked OHM to dismantle the 500 square foot shed. Since the condition of the shed posed a safety hazard, USACE agreed to have OHM take it down. This also helped to expedite completion of the lot.
- ▶ Visual contamination was excavated yielding an estimated 48 cubic yards of hazardous waste, which was shipped to the Trust 454 site for stabilization. The remaining excavation and the dismantled shed yielded an estimated 36 cubic yards and was shipped to Laidlaw, Roxanna. Total excavation ranged about 2 to 2 1/2 feet.
- ▶ Equipment utilized during excavation:
  - JCB 214 Backhoe
  - 753 Bobcat
  - John Deere 444 Loader
  - 10 Ton Smooth Drum Roller
- ▶ Subcontractors:
  - AWS Haulers
    - Hauled Hazardous Waste
  - Metro East
    - Stone
  - Cunningham Haulers
    - Special Waste
- ▶ Quantity Summaries:
  - See Figure AZ.1
- ▶ Verification Analytical:
  - See Figure AZ.2

**QUANTITY SUMMARY****SITE NAME** ALLEY 54.5(WEBER)**SUB CONTRACTOR H. WOLFE**

<b>SITE #</b>	<b>HAZ CU YD</b>	<b>SPEC CU YD</b>	<b>CA-7 TONS</b>	<b>CA-6 TONS</b>	<b>BACKFILL</b>	<b>SAND</b>	<b>SEED/SOD</b>	<b>BACKFILL</b>	<b>ROCK</b>
54.5	48	36	14.59						

**OHM CORPORATION**  
**PROJECT 13407**

**PRE-CHARACTERIZATION SAMPLING RESULTS**

**SITE NAME: ALLEY 54.5**

<b>SAMPLE NUMBER</b>	<b>TOTAL LEAD MG/KG</b>	<b>TCLP LEAD MG/L</b>
S54.5-001	64.7	BDL
S54.5-002	313	
S54.5-004	94.4	BDL
S54.5-005	55.3	
S54.5-007	413	0.1
S54.5-008	231	
S54.5-010	94.5	0.021
S54.5-011	122	
S54.5-013	135	0.052
S54.5-014	30	

## ECC RESULTS

### ALLEY 54.5

[illegible]

ALLEY

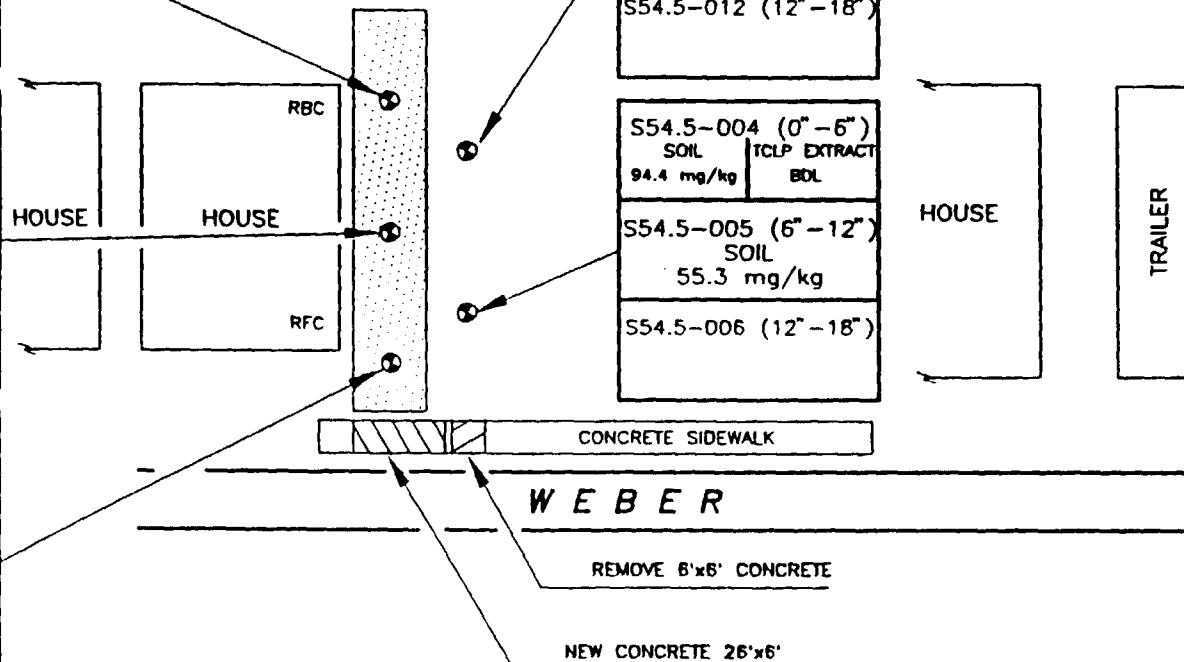
S54.5-013 (0"-6")
SOIL   TCLP EXTRACT
135 mg/kg   0.052 mg/L
S54.5-014 (6"-12")
SOIL
30 mg/kg
S54.5-015 (12"-18")

S54.5-007 (0"-6")
SOIL   TCLP EXTRACT
413 mg/kg   0.100 mg/L
S54.5-008 (6"-12")
HOUSE   SOIL
231 mg/kg
S54.5-009 (12"-18")

S54.5-001 (0"-6")
SOIL   TCLP EXTRACT
64.7 mg/kg   BDL
S54.5-002 (6"-12")
HOUSE   SOIL
313 mg/kg
S54.5-003 (12"-18")

S54.5-010 (0"-6")
SOIL   TCLP EXTRACT
94.5 mg/kg   0.021 mg/L
S54.5-011 (6"-12")
SOIL
122 mg/kg
S54.5-012 (12"-18")

S54.5-004 (0"-6")
SOIL   TCLP EXTRACT
94.4 mg/kg   BDL
S54.5-005 (6"-12")
HOUSE   SOIL
55.3 mg/kg
S54.5-006 (12"-18")



Distances:	Notes:
SAMPLE POINT	HOUSE RFC HOUSE RBC
1-3	7.5' 48'
4-6	14.5' 39'
7-9	14' 29'
10-12	30.5' 20.5'
13-15	36.5' 7'

SITE MAP  
LOT 54.5  
GRANITE CITY  
GRANITE CITY, ILLINOIS  
PREPARED FOR  
USACE  
OMAHA, NEBRASKA

  
**OHM Corporation**  
Findlay, Ohio

Drawn By: D. KROSKE	Checked By:
Date: 8-20-93	Approved By: JEM
Scale: N.T.S.	Drawing No: LOT 54.5

## **207 TERRY STREET**

<b>Action Date:</b>	June 1, 1994
<b>Loadout:</b>	June 9, 1994
<b>Restoration Begins:</b>	June 16, 1994
<b>Restoration Completed:</b>	July 14, 1994
<b>Lawn Watering:</b>	July 14 to August 10, 1994

- ▶ Visual contamination was excavated yielding an estimated 336 cubic yards of hazardous waste, which was shipped to the Trust 454 site for stabilization.
- ▶ The remaining excavation yielded an estimated 198 cubic yards of special waste, which was shipped to Laidlaw, Roxanna. Excavation averaged 1 foot in depth.
- ▶ After seed was broadcast and mulched with straw, OHM crews watered until sod was stable.
- ▶ Equipment utilized during excavation:
  - 753 Bobcat
  - Komatsu PC220 Trackhoe
  - John Deere 644 G Loader
  - John Deere 444 Loader
  - John Deere 310 Backhoe
- ▶ Subcontractors:
  - AWS Haulers
    - Hauled Hazardous Waste
  - Metro East Sand
    - Backfill
  - L. Wolfe
    - Restoration
  - Cunningham Haulers
    - Special Waste
- ▶ Quantity Summaries:
  - See Figure BA.1



► Verification Analytical:

- See Figure BA.2

**QUANTITIES SUMMARY**

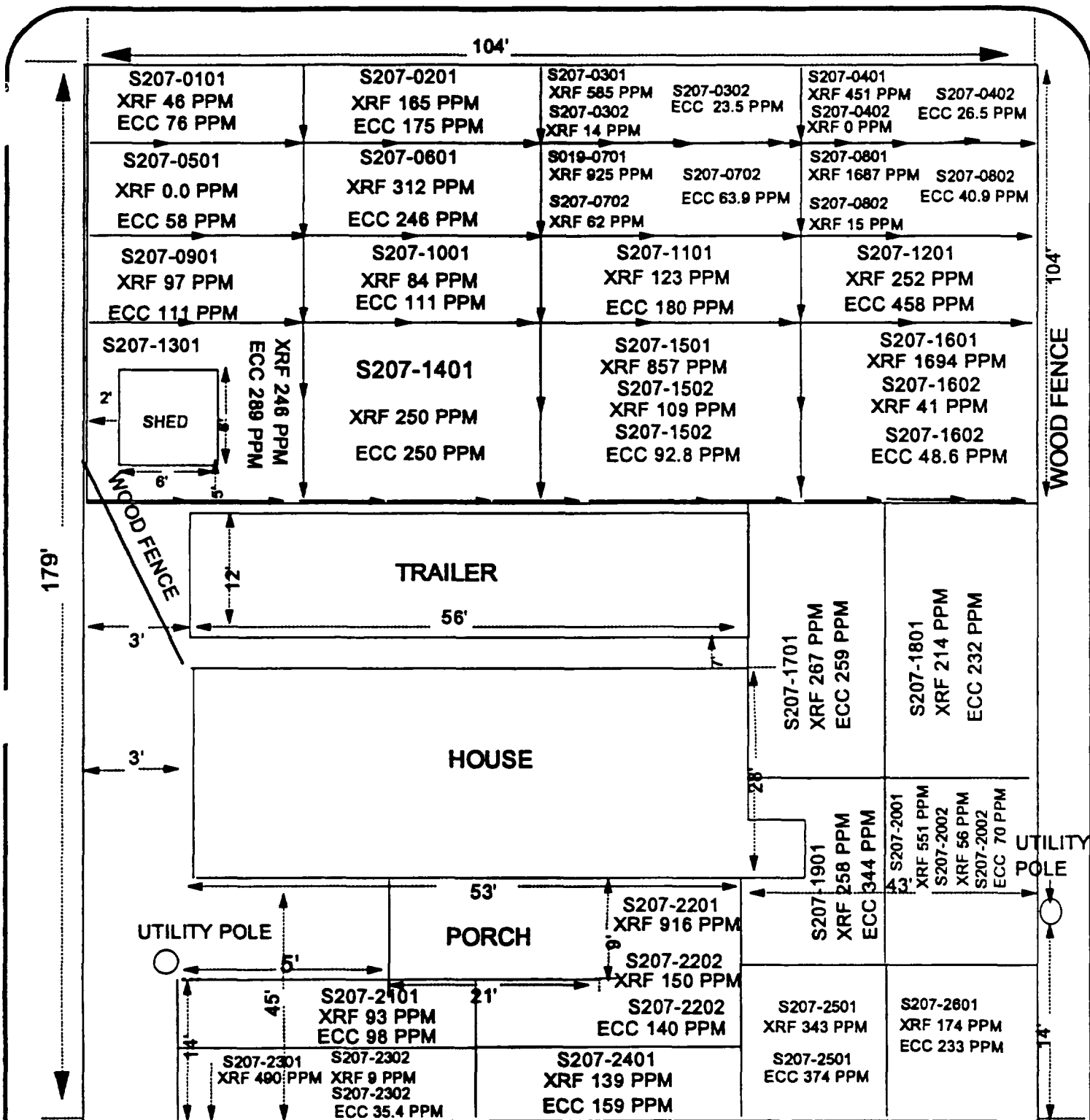
**SITE NAME**        207 TERRY

**SUB CONTRACTOR H. WOLFE**

<b>SITE #</b>	<b>HAZ CU YD</b>	<b>SPEC CU YD</b>	<b>CA-7 TONS</b>	<b>CA-6 TONS</b>	<b>BACKFILL</b>	<b>SAND</b>	<b>SEED/SOD</b>	<b>BACKFILL</b>	<b>ROCK</b>
105	338	198			36 LOADS		SEED	19 LOADS	3 LOADS

ECC RESULTS  
207 TERRY

[illegible]



## 207 TERRY

TOTAL DIMENSIONS  
179' X 104'

→ → → DENOTES SAMPLING  
IMAGINARY LINE

OHM  
Corporation  
Findlay, Ohio

Drawn By: CRG	Checked By:
Date: REV. 6/14/94	Approved By:
Scale: NTS	Drawing No:

## 123 BOOKER STREET

<b>Action Date:</b>	June 1, 1994
<b>Loadout:</b>	June 14, 1994
<b>Restoration Begins:</b>	July 11, 1994
<b>Restoration Completed:</b>	July 25, 1994
<b>Lawn Watering:</b>	July 25 to August 17, 1994

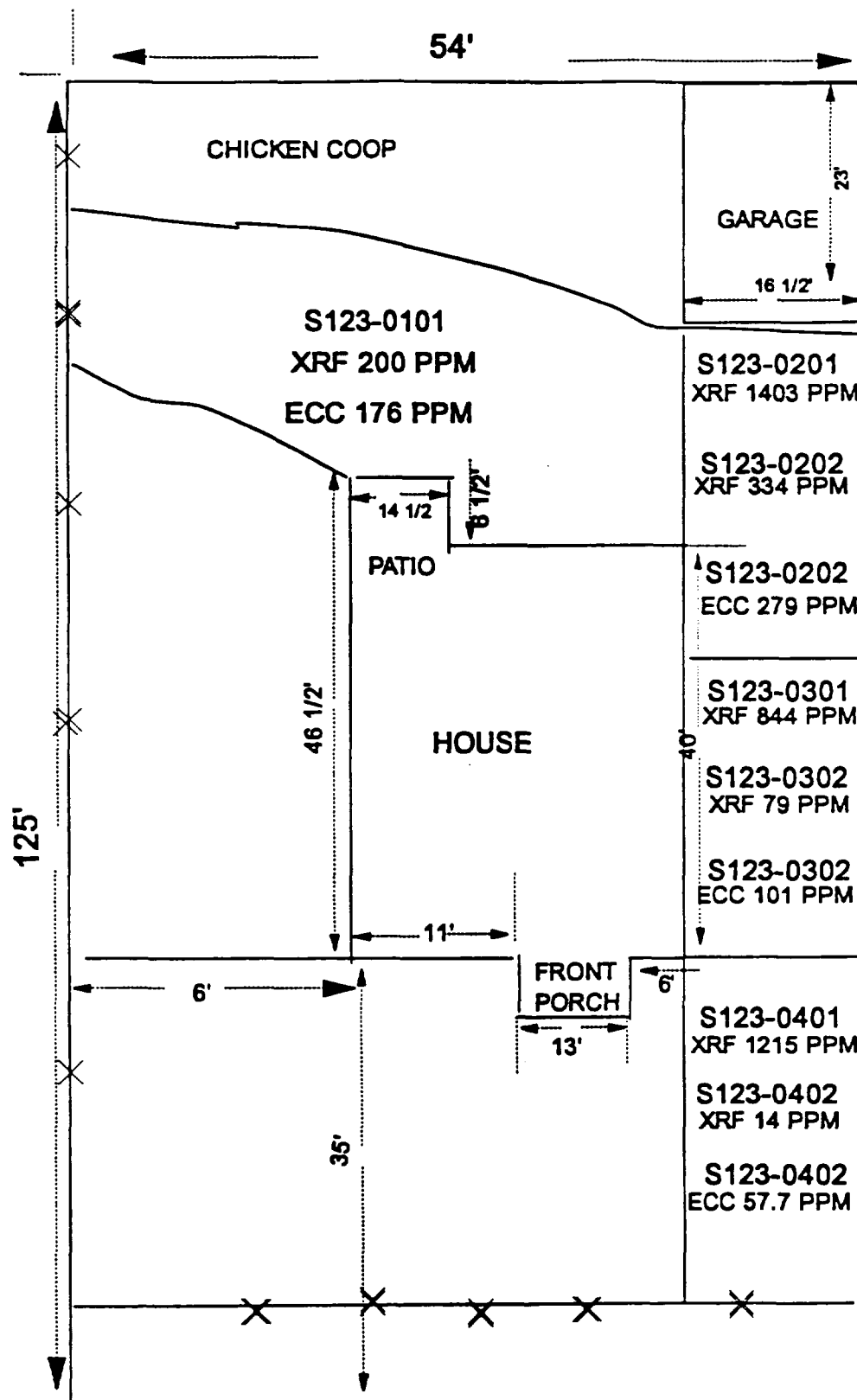
- ▶ Visual contamination was excavated yielding an estimated 84 cubic yards of hazardous waste, which was shipped to the Trust 454 site for stabilization.
- ▶ There was no special waste. Excavation averaged 8" to 12" in depth.
- ▶ After seed was broadcast and mulched with straw, OHM crews watered until sod was stable.
- ▶ Equipment utilized during excavation:
  - 753 Bobcat
  - Komatsu PC90 Trackhoe
  - Komatsu PC220 Trackhoe
  - John Deere 444 Loader
- ▶ Subcontractors:
  - AWS Haulers
    - Hauled Hazardous Waste
  - L. Wolfe
    - Restoration
- ▶ Quantity Summaries:
  - See Figure BB.1
- ▶ Verification Analytical:
  - See Figure BB.2

**QUANTITY SUMMARY**

**SITE NAME**      123 BOOKER

**SUB CONTRACTOR H. WOLFE**

<b>SITE #</b>	<b>HAZ CU YD</b>	<b>SPEC CU YD</b>	<b>CA-7 TONS</b>	<b>CA-6 TONS</b>	<b>BACKFILL</b>	<b>SAND</b>	<b>SEED/SOD</b>	<b>BACKFILL</b>	<b>ROCK</b>
123	84	18					SEED	6 LOADS	1 LOAD



123 BOOKER

**TOTAL  
DIMENSIONS  
54' X 125'**



**OHM Corporation**  
Findlay, Ohio

Drawn By: CRG	Checked By:
Date: REV. 6/9/94	Approved By:
Scale: NTS	Drawing No.:

**PROJECT 13407**

## PRE-CHARACTERIZATION SAMPLING RESULTS

**SITE NAME:** 123 BOOKER

[illegible]



**123 BOOKER**

[illegible]

## 212 CARVER STREET

<b>Action Date:</b>	June 2, 1994
<b>Loadout:</b>	June 16, 1994
<b>Restoration Begins:</b>	June 16, 1994
<b>Restoration Completed:</b>	July 18, 1994
<b>Lawn Watering:</b>	July 18 to August 29, 1994

- ▶ Visual contamination was excavated yielding an estimated 48 cubic yards of hazardous waste, which was shipped to the Trust 454 site for stabilization.
- ▶ The remaining excavation yielded 18 cubic yards of special waste, which was shipped to Laidlaw, Roxanna. Excavation averaged 6" to 8" in depth.
- ▶ Equipment utilized during excavation:
  - 753 Bobcat
  - Case 580K Backhoe
  - John Deere 444 Loader
- ▶ Subcontractors:
  - AWS Haulers
    - Hauled Hazardous Waste
  - L. Wolfe Co.
    - Restoration
  - Cunningham Haulers
    - Topsoil
    - Straw/Seed
- ▶ Quantity Summaries:
  - See Figure BC.1
- ▶ Verification Analytical:
  - See Figure BC.2

**QUANTITY SUMMARY****SITE NAME**      212 CARVER**SUB CONTRACTOR H. WOLFE**

<b>SITE #</b>	<b>HAZ CU YD</b>	<b>SPEC CU YD</b>	<b>CA-7 TONS</b>	<b>CA-6 TONS</b>	<b>BACKFILL</b>	<b>SAND</b>	<b>SEED/SOD</b>	<b>BACKFILL</b>	<b>ROCK</b>
212	48	18					SEED	7 LOADS	

**OHM CORPORATION**  
**PROJECT 13407**

## RE-CHARACTERIZATION SAMPLING RESULTS

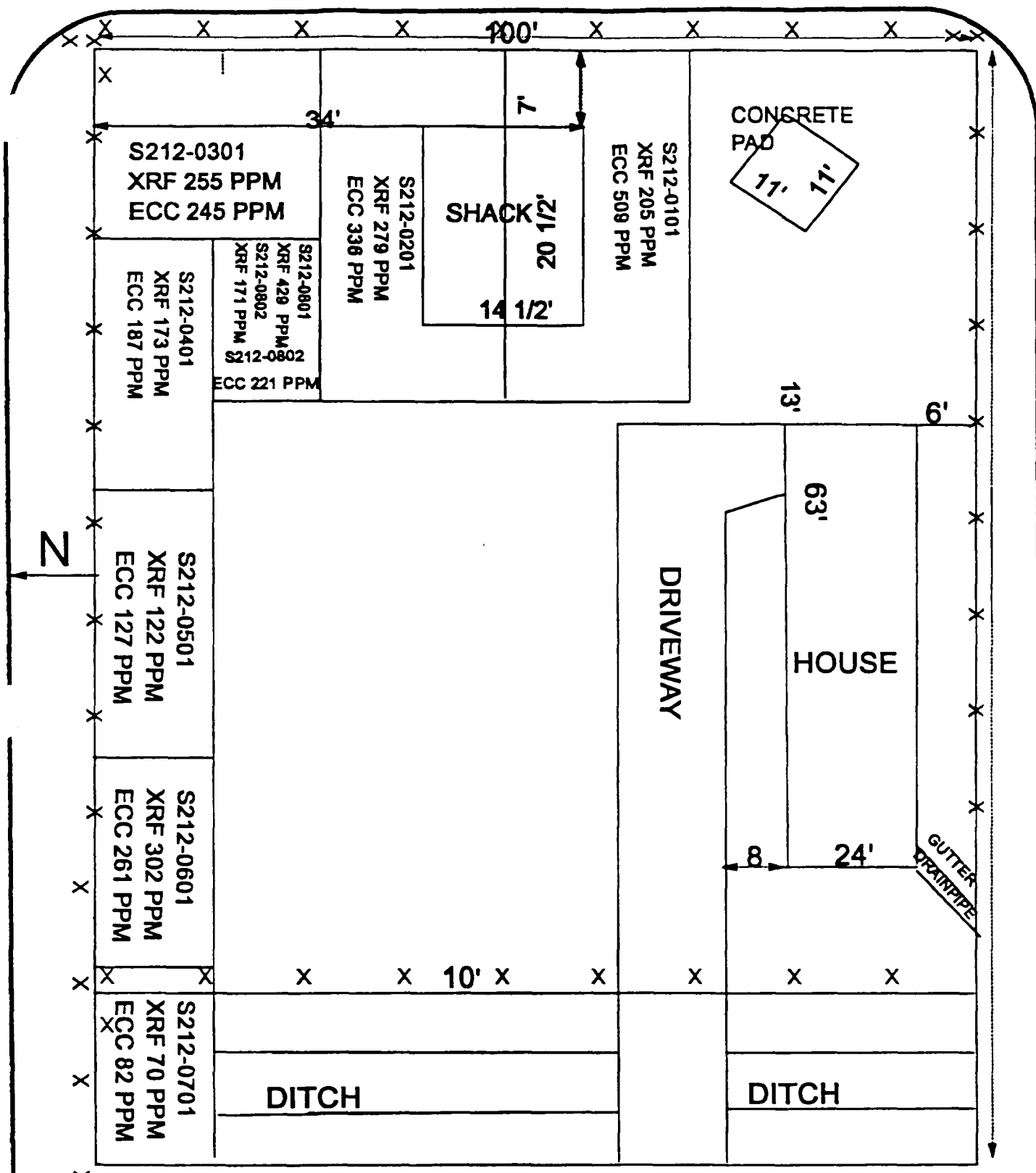
**SITE NAME: 212 CARVER**

[illegible]

# ECC RESULTS

## 212 CARVER

[illegible]



**TOTAL  
DIMENSIONS  
100' X 140'**

**SECTIONS**  
S212-0101  
S212-0801  
ARE SPECIAL

**OHM Corporation**  
Findlay, Ohio

Drawn By: SLO	Checked By:
Date: 6/13/94	Approved By:
Scale: NTS	Drawing No:

## 104 CARVER STREET

**Action Date:** June 6, 1994  
**Loadout:** June 23, 1994  
**Restoration Begins:** June 24, 1994  
**Restoration Completed:** June 24, 1994

- The primary area of this lot to be excavated was the entire driveway, from Carver Street to the back of the lot. The original fence, which was comprised of chain link and 6' x 6' wood sheets, was deteriorated but had to be removed due to excavation activities. USACE agreed to replace half of the fence. This was done. In order to remove the fence access was required on the property of 100 Hill Street. During the restoration phase, seed and mulch was put down at the property border to replace the grass.
- Visual contamination was excavated yielding an estimated 108 cubic yards of hazardous waste, which was shipped to the Trust 454 site for stabilization.
- The remaining excavation and the fence row yielded an estimated 18 cubic yards of special waste and was shipped to Laidlaw, Roxanna. Excavation averaged 1" to 1 1/2 foot in depth.
- After backfilling and compaction of the stone aggregate, no further restoration activities were required.
- Equipment utilized during excavation:
  - 753 Bobcat
  - Komatsu PC220 Trackhoe
  - John Deere 644 G Loader
  - Komatsu 180 Loader
- Subcontractors:
  - AWS Haulers
    - Hauled Hazardous Waste
  - Metro East Sand
    - Backfill
  - Cunningham Haulers
    - Special Waste

- ▶ Quantity Summaries:
  - See Figure BD.1
- ▶ Verification Analytical:
  - See Figure BD.2



**QUANTITY SUMMARY**

**SITE NAME**      104 CARVER

**SUB CONTRACTOR H. WOLFE**

<b>SITE #</b>	<b>HAZ CU YD</b>	<b>SPEC CU YD</b>	<b>CA-7 TONS</b>	<b>CA-6 TONS</b>	<b>BACKFILL</b>	<b>SAND</b>	<b>SEED/SOD</b>	<b>BACKFILL</b>	<b>ROCK</b>
104	108	18			24 LOADS		SEED	7 LOADS	6 LOADS

**OHM CORPORATION**  
**PROJECT 13407**

## RE-CHARACTERIZATION SAMPLING RESULTS

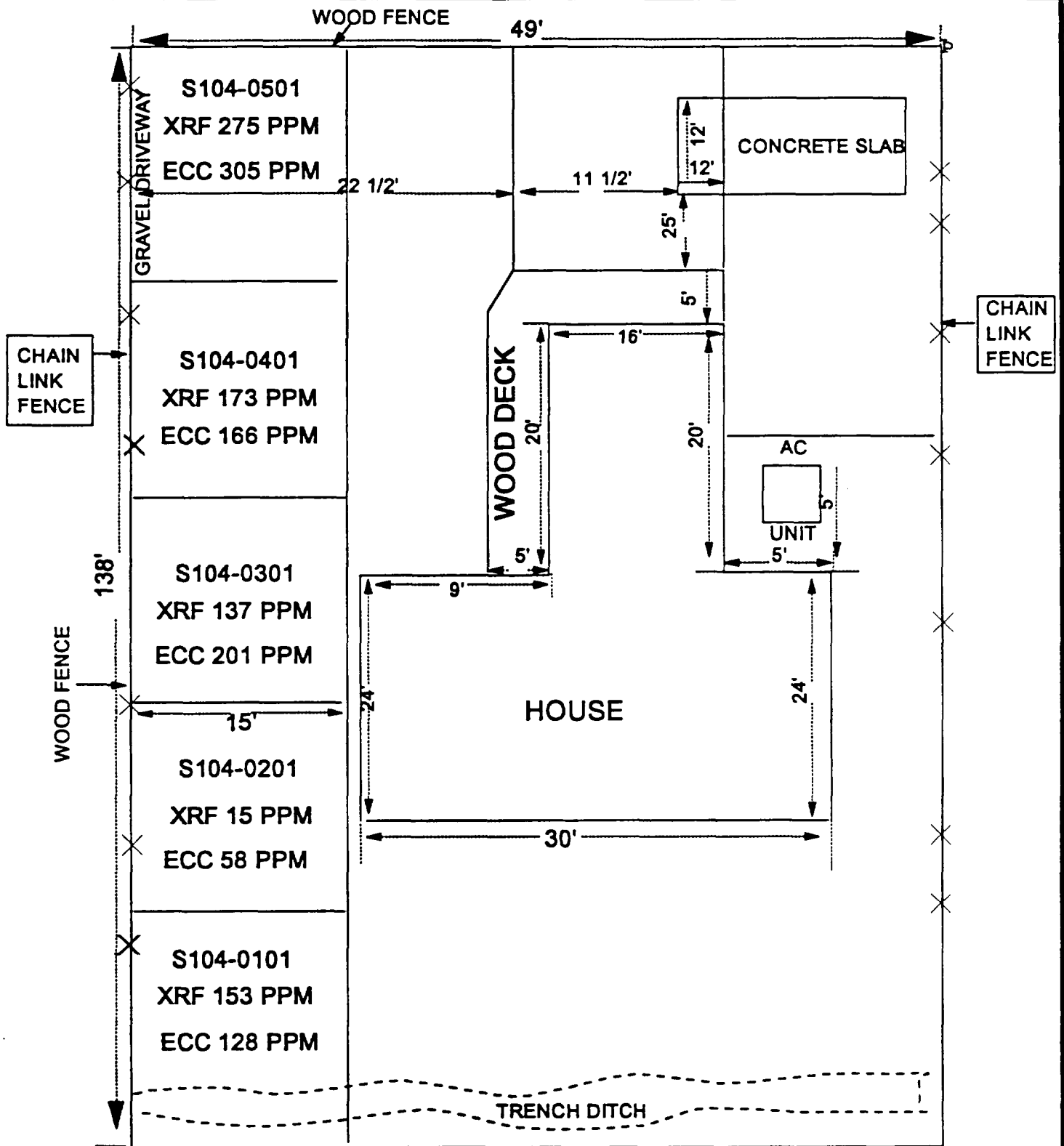
**SITE NAME: 104 CARVER**

[illegible]

# ECC RESULTS

## 104 CARVER

[illegible]



104 CARVER ST.

**TOTAL DIMENSIONS**  
46' X 138'

**OHM Corporation**  
Findley, Ohio

Drawn By: CRG	Checked By:
Date: REV. 6/9/94	Approved By:
Scale: NTS	Drawing No:

## **206 WATSON STREET**

**Action Date:** June 6, 1994  
**Loadout:** July 13, 1994  
**Restoration Begins:** July 13, 1994  
**Restoration Completed:** August 1, 1994  
**Watered:** August 1, 1994 to August 29, 1994

- ▶ Visual contamination was excavated yielding an estimated 747 cubic yards of hazardous waste, which was shipped to the Trust 454 site for stabilization.
- ▶ There was no special waste.
- ▶ After seed was broadcast and mulched with straw, OHM crews watered until grass was stable.
- ▶ During excavation of this site the sidewalk leading from the house to the parking area out front was broken. This was replaced.
- ▶ Equipment utilized during excavation:
  - PC90 Track Excavator
  - John Deere 310D Backhoe
  - John Deere 444 Loader
  - PC150 Track Excavator
  - John Deere 544 Loader
  - Takeuchi TL26 Trackloader
  - Ingerson 7 1/2 Ton Roller
- ▶ Subcontractors:
  - AWS Haulers
    - Hauled Hazardous Waste
  - Metro East
    - Stone
  - Cunningham Haulers
    - Special Waste
  - L. Wolfe
    - Restoration

- ▶ Quantity Summaries:
  - See Figure BE.1
- ▶ Verification Analytical:
  - See Figure BE.2

**QUANTITY SUMMARY**

**SITE NAME**      206 WATSON

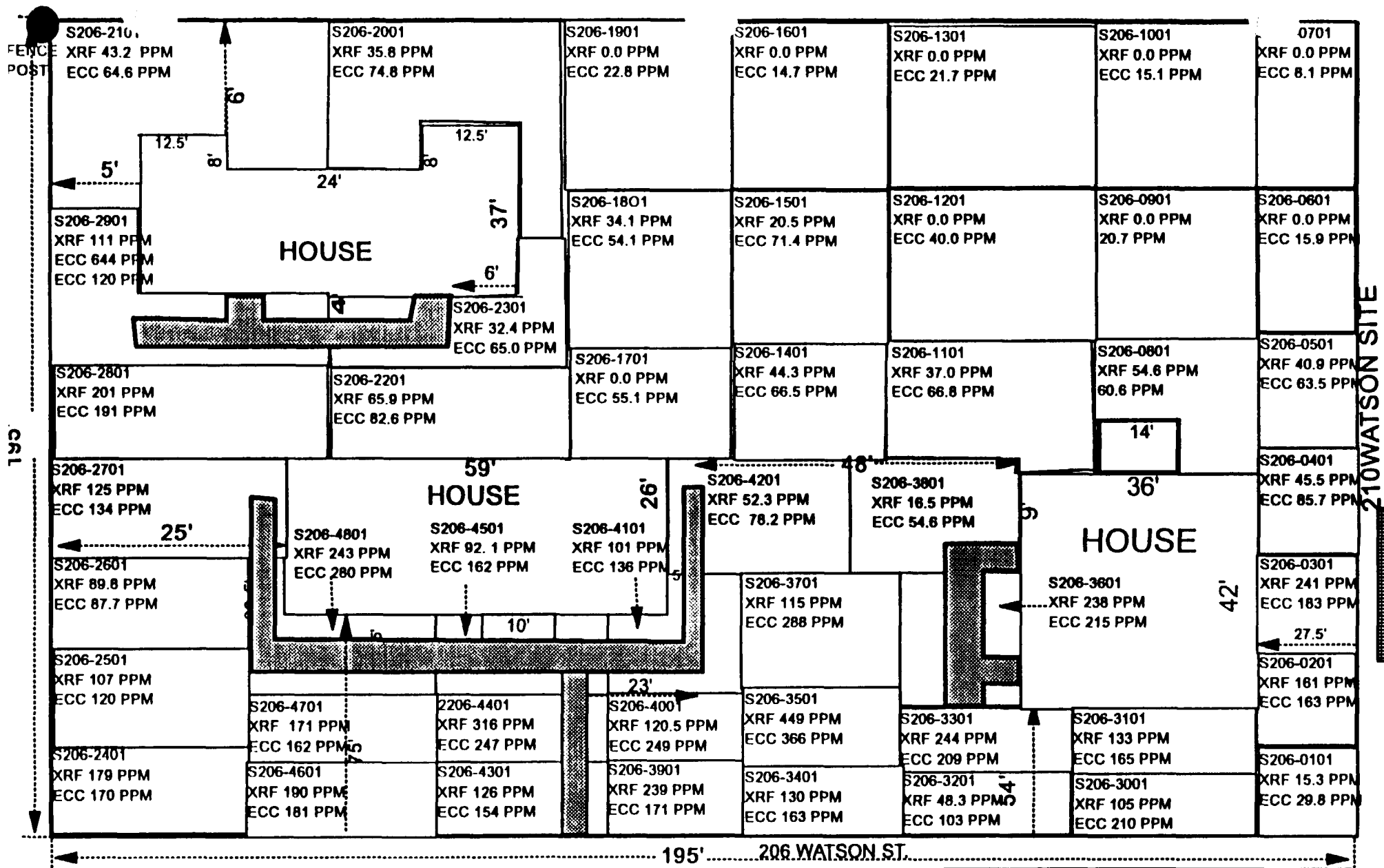
**SUB CONTRACTOR H. WOLFE**

<b>SITE #</b>	<b>HAZ CU YD</b>	<b>SPEC CU YD</b>	<b>CA-7 TONS</b>	<b>CA-6 TONS</b>	<b>BACKFILL</b>	<b>SAND</b>	<b>SEED/SOD</b>	<b>BACKFILL</b>	<b>ROCK</b>
206	747		62.1		83 LOADS		SEED	20 LOADS	4 LOAD

**ECC RESULTS**  
**206 WATSON**

SECTION NUMBER	RESULTS MG/KG	SECTION NUMBER	RESULTS MG/KG
S206-0101	29.8		
S206-0102	163		
S206-0301	183		
S206-0401	85.7		
S206-0501	63.5		
S206-0601	15.9		
S206-0701	8.1		
S206-0801	60.6		
S206-0901	20.7		
S206-1001	15.1		
S206-1101	66.8		
S206-1201	40		
S206-1301	21.7		
S206-1401	66.5		
S206-1501	71.4		
S206-1601	14.7		
S206-1701	55.1		
S206-1801	54.1		
S206-1901	22.8		
S206-2001	74.8		
S206-2101	64.6		
S206-2201	82.6		
S206-2301	65		
S206-2401	170		
S206-2501	120		
S206-2601	87.7		
S206-2701	134		
S206-2801	191		
S206-2901	120		
S206-3001	210		
S206-3101	165		
S206-3201	103		
S206-3301	209		
S206-3401	163		
S206-3501	366		
S206-3601	215		
S206-3701	288		
S206-3801	54.6		
S206-3901	171		
S206-4001	249		
S206-4101	136		
S206-4201	78.2		
S206-4301	154		
S206-4401	247		
S206-4501	162		
S206-4601	181		
S206-4701	162		
S206-4801	280		





# 206 WATSON

TOTAL DIMENSIONS

195' x 195'

SPECIAL

**OHM Corporation**  
Findlay, Ohio

Drawn By CRG	Checked By
Date 7/19/94	Approved By
Scale NTS	Plotting No.

## 202 WATSON STREET

**Action Date:** July 6, 1994  
**Loadout:** July 22, 1994  
**Restoration Begins:** July 22, 1994  
**Restoration Completed:** August 8, 1994  
**Watered:** August 8, 1994 to August 29, 1994

- ▶ Visual contamination was excavated yielding an estimated 80 cubic yards of hazardous waste, which was shipped to the Trust 454 site for stabilization.
- ▶ The remaining excavation yielded an estimated 36 cubic yards of special waste, which was shipped to Laidlaw, Roxanna. Excavation averaged 6" to 12" in depth.
- ▶ After seed was broadcast and mulched with straw, OHM crews watered until grass was stable.
- ▶ During excavation of this site, the sidewalk leading from the house to the parking area out front was broken. This was replaced.
- ▶ Equipment utilized during excavation:
  - PC90 Track Excavator
  - John Deere 310D Backhoe
  - John Deere 644 Loader
  - PC150 Track Excavator
  - John Deere 544 Loader
  - Takeuchi TL 26 Trackloader
  - 753 Bobcat
- ▶ Subcontractors:
  - AWS Haulers
    - Hauled Hazardous Waste
  - Metro East
    - Stone
  - Cunningham Haulers
    - Special Waste
  - L. Wolfe
    - Restoration

► Quantity Summaries:

- See Figure BF.1

► Verification Analytical:

- See Figure BF.2

# QUANTITY SUMMARY

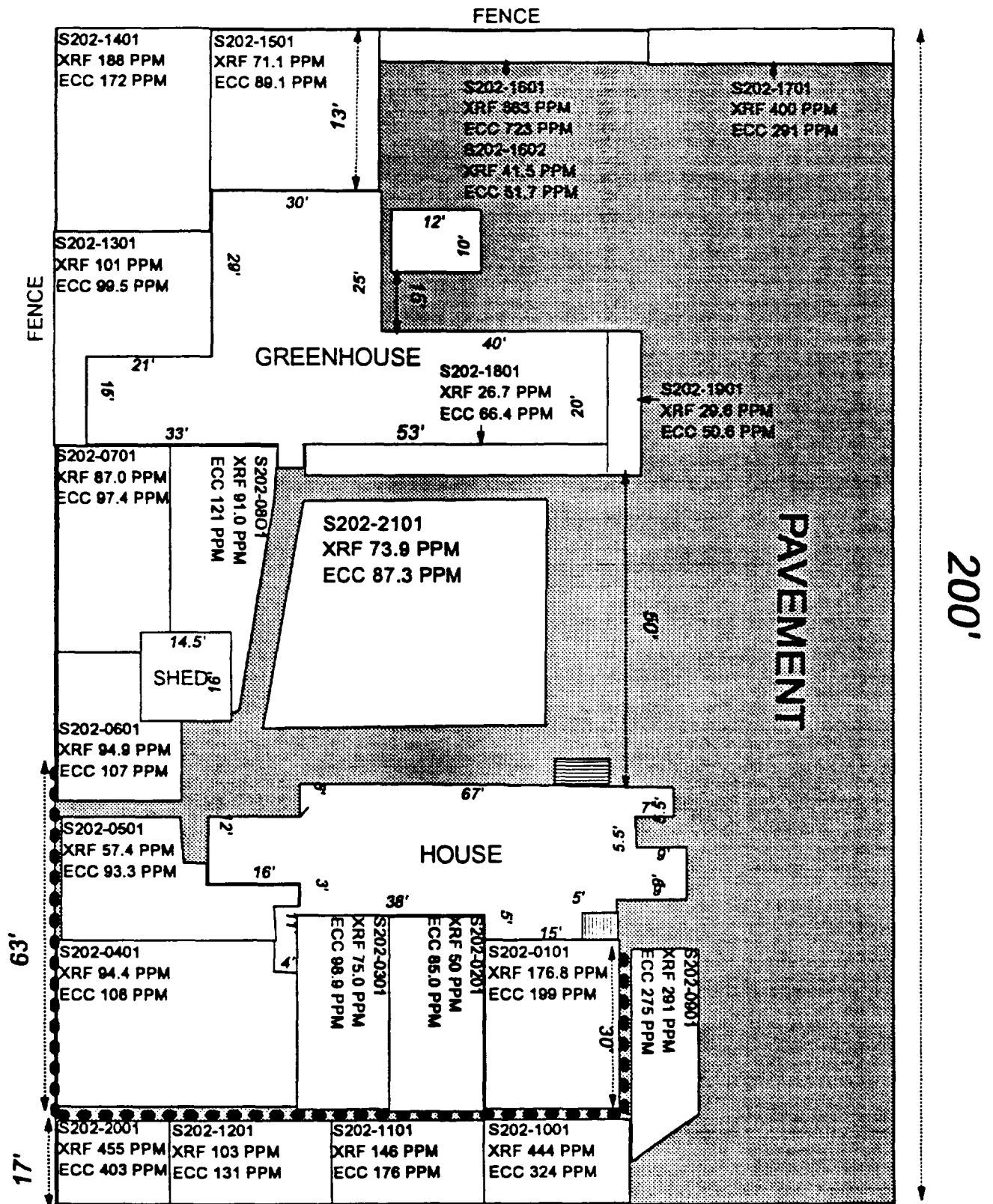
SITE NAME 202 WATSON

SUB CONTRACTOR H. WOLFE

SITE #	HAZ CU YD	SPEC CU YD	CA-7 TONS	CA-6 TONS	BACKFILL	SAND	SEED/SOD	BACKFILL	ROCK
202	80	36		43.37	10 LOADS		SEED		

**ECC RESULTS**  
**202 WATSON**

<b>SECTION NUMBER</b>	<b>RESULTS MG/KG</b>
S202-0101	199
S202-0201	85
S202-0301	98.9
S202-0401	108
S202-0501	93.3
S202-0601	107
S202-0701	97.4
S217-0801	121
S202-0901	275
S202-1001	324
S202-1101	176
S202-1201	131
S202-1301	99.5
S202-1401	172
S202-1501	89.1
S202-1602	51.7
S202-1701	291
S202-1801	66.4
S202-1901	50.6
S202-2001	403
S202-2101	87.3



**202 WATSON**

**TOTAL DIMENSIONS**  
**200' X 133'**

**CEMENT WALL**

**OHM Corporation**  
Findlay, Ohio

Drawn By: <b>RPR</b>	Checked By:
Date: <b>7/22/94</b>	Approved By:
Scale: <b>NTS</b>	Drawing No:

## 204 WATSON STREET

<b>Action Date:</b>	July 6, 1994
<b>Loadout:</b>	July 23, 1994
<b>Restoration Begins:</b>	July 25, 1994
<b>Restoration Completed:</b>	August 8, 1994
<b>Watered:</b>	August 8, 1994 to August 29, 1994

- ▶ Visual contamination was excavated yielding an estimated 172 cubic yards of hazardous waste, which was shipped to the Trust 454 site for stabilization.
- ▶ The remaining excavation yielded an estimated 36 cubic yards of special waste, which was shipped to Laidlaw, Roxanna. Excavation averaged 8" to 10" in depth.
- ▶ After seed was broadcast and mulched with straw, OHM crews watered until grass was stable.
- ▶ Equipment utilized during excavation:
  - PC90 Track Excavator
  - John Deere 310D Backhoe
  - John Deere 444 Loader
  - Takeuchi TL26 Trackloader
- ▶ Subcontractors:
  - AWS Haulers
    - Hauled Hazardous Waste
  - Metro East
    - Stone
  - Cunningham Haulers
    - Special Waste
  - L. Wolfe
    - Restoration
- ▶ Quantity Summaries:
  - See Figure BG.1

► Verification Analytical:

- See Figure BG.2



**QUANTITY SUMMARY**

**SITE NAME**      204 WATSON

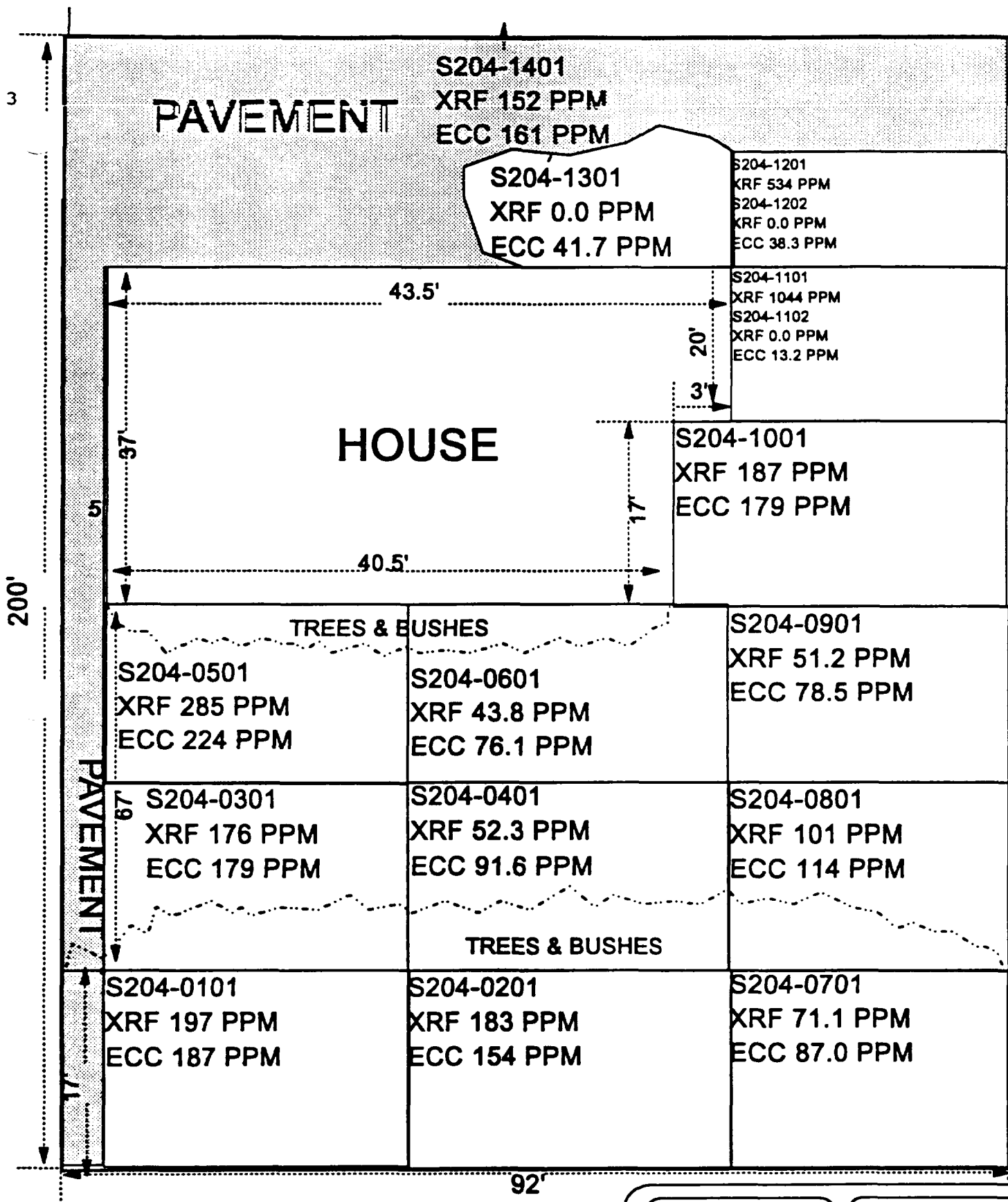
**SUB CONTRACTOR H. WOLFE**

<b>SITE #</b>	<b>HAZ CU YD</b>	<b>SPEC CU YD</b>	<b>CA-7 TONS</b>	<b>CA-6 TONS</b>	<b>BACKFILL</b>	<b>SAND</b>	<b>SEED/SOD</b>	<b>BACKFILL</b>	<b>ROCK</b>
204	172	36	32.9		10 LOADS		SEED	2 LOADS	1 LOAD

# ECC RESULTS

## 204 WATSON

[illegible]



OHM Corporation  
Fidelity One

Drawn By: <b>RPR</b>	Checked By:
Date: <b>7/22/94</b>	Approved By:
Scale: <b>NTS</b>	Drawing No:

## 203 WATSON STREET

**Action Date:** June 9, 1994  
**Loadout:** July 24, 1994  
**Restoration Begins:** July 25, 1994  
**Restoration Completed:** August 1, 1994

- ▶ Visual contamination was excavated yielding an estimated 402 cubic yards of hazardous waste, which was shipped to the Trust 454 site for stabilization.
- ▶ There was no special waste.
- ▶ This lot was undeveloped so seed and straw mulch was not applied. When backfilling this lot soil was used as necessary to match existing landscape in the surrounding area.
- ▶ Equipment utilized during excavation:
  - PC90 Track Excavator
  - John Deere 310D Backhoe
  - John Deere 444 Loader
  - Takeuchi TL26 Trackloader
  - 753 Bobcat
  - 17KW generator
  - PC150 Trackhoe
- ▶ Subcontractors:
  - AWS Haulers
    - Hauled Hazardous Waste
  - Metro East
    - Stone
    - Backfill
  - Cunningham Haulers
    - Special Waste
- ▶ Quantity Summaries:
  - See Figure BH.1
- ▶ Verification Analytical:
  - See Figure BH.2

## **201 WATSON STREET**

<b>Action Date:</b>	July 9, 1994
<b>Loadout:</b>	July 25, 1994
<b>Restoration Begins:</b>	July 26, 1994
<b>Restoration Completed:</b>	August 4, 1994

- ▶ Visual contamination was excavated yielding an estimated 690 cubic yards of hazardous waste, which was shipped to the Trust 454 site for stabilization.
- ▶ The remaining excavation yielded an estimated 306 cubic yards of special waste and was shipped to Laidlaw, Roxanna. Excavation averaged 2 ½ to 3 feet in depth.
- ▶ This lot was undeveloped so seed and straw mulch was not applied. When backfilling this lot soil was used as necessary to match existing landscape in the surrounding area.
- ▶ Equipment utilized during excavation:
  - PC150 Track Excavator
  - PC90 Trackhoe
  - John Deere 544 Loader
  - Takeuchi TL26 Trackloader
- ▶ Subcontractors:
  - AWS Haulers
    - Hauled Hazardous Waste
  - Metro East
    - Stone
    - Backfill
  - Cunningham Haulers
    - Special Waste
- ▶ Quantity Summaries:
  - See Figure BI.1
- ▶ Verification Analytical:
  - See Figure BI.2

# QUANTITY SUMMARY

SITE NAME 203 WATSON

SUB CONTRACTOR H. WOLFE

SITE #	HAZ CU YD	SPEC CU YD	CA-7 TONS	CA-6 TONS	BACKFILL	SAND	SEED/SOD	BACKFILL	ROCK
203	402		28.85		41 LOADS		SEED		

**ECC RESULTS**  
**203 WATSON**

<b>SECTION NUMBER</b>	<b>RESULTS MG/KG</b>
S203-0101	22.4
S203-0201	69.9
S203-0301	75
S203-0401	66.4
S203-0501	37.5
S203-0601	150
S203-0701	68.6
S203-0801	63.7
S203-0901	288
S203-1001	134
S203-1101	89.2
S203-1201	51.1
S203-1303	317
S203-1402	245
S203-1501	117
S203-1601	63.2
S203-1701	402
S203-1802	109
S203-1901	215
S203-2001	158
S203-2102	55.2
S203-2201	386
S203-2301	208
S203-2401	144

165'

S203-0101 XRF 0.0 PPM ECC 22.4 PPM	S203-0201 XRF 46.0 PPM ECC 69.9 PPM	S203-0301 XRF 49.5 PPM ECC 75.0 PPM	S203-0401 XRF 37.0 PPM ECC 66.4 PPM
S203-0501 XRF 0.0 PPM ECC 37.5 PPM	S203-0601 XRF 147.8 PPM ECC 150 PPM	S203-0701 XRF 39.8 PPM ECC 68.6 PPM	S203-0801 XRF 32.4 PPM ECC 63.7 PPM
S203-0901 XRF 254.1 PPM ECC 288 PPM	S203-1001 XRF 44.9 PPM ECC 134 PPM	S203-1101 XRF 35.2 PPM ECC 89.2 PPM	S203-1201 XRF 42.1 PPM ECC 51.1 PPM
S203-1301 XRF 619 PPM S203-1302 XRF 594 PPM S203-1303 XRF 306 PPM ECC 317 PPM	S203-1401 XRF 524 PPM S203-1402 XRF 214 PPM ECC 245 PPM	S203-1501 XRF 78.4 PPM ECC 117 PPM	S203-1601 XRF 26.1 PPM ECC 63.2 PPM
S203-1701 XRF 375 PPM ECC 402 PPM	S203-1801 XRF 691 PPM S203-1802 XRF 111 PPM ECC 109 PPM	S203-1901 XRF 195 PPM ECC 215 PPM	S203-2001 XRF 101 PPM ECC 158 PPM
S203-2101 XRF 550 PPM S203-2102 XRF 0.0 PPM ECC 55.2 PPMPPM	S203-2201 XRF 403 PPM ECC 386 PPM	S203-2301 XRF 150 PPM ECC 208 PPM	S203-2401 XRF 84.1 PPM ECC 144 PPM

107'

**203 WATSON**

**TOTAL DIMENSIONS**  
**165' X 107'**



SPECIAL



TREES



**OHM Corporation**  
Fidelity One

Drawn By: RPR

Checked By:

Date: 7/29/94

Approved By:

Scale: NTS

Drawing No:



## **201 WATSON STREET**

**Action Date:** July 9, 1994  
**Loadout:** July 25, 1994  
**Restoration Begins:** July 26, 1994  
**Restoration Completed:** August 4, 1994

- ▶ Visual contamination was excavated yielding an estimated 690 cubic yards of hazardous waste, which was shipped to the Trust 454 site for stabilization.
- ▶ The remaining excavation yielded an estimated 306 cubic yards of special waste and was shipped to Laidlaw, Roxanna. Excavation averaged 2 1/2 to 3 feet in depth.
- ▶ This lot was undeveloped so seed and straw mulch was not applied. When backfilling this lot soil was used as necessary to match existing landscape in the surrounding area.
- ▶ Equipment utilized during excavation:
  - PC150 Track Excavator
  - PC90 Trackhoe
  - John Deere 544 Loader
  - Takeuchi TL26 Trackloader
- ▶ Subcontractors:
  - AWS Haulers
    - Hauled Hazardous Waste
  - Metro East
    - Stone
    - Backfill
  - Cunningham Haulers
    - Special Waste
- ▶ Quantity Summaries:
  - See Figure BI.1
- ▶ Verification Analytical:
  - See Figure BI.2

**QUANTITY SUMMARY**

**SITE NAME**      201 WATSON

**SUB CONTRACTOR H. WOLFE**

<b>SITE #</b>	<b>HAZ CU YD</b>	<b>SPEC CU YD</b>	<b>CA-7 TONS</b>	<b>CA-6 TONS</b>	<b>BACKFILL</b>	<b>SAND</b>	<b>SEED/SOD</b>	<b>BACKFILL</b>	<b>ROCK</b>
201	690	306	28.85		69 LOADS		SEED		

# ECC RESULTS

## 201 WATSON

SECTION NUMBER	RESULTS MG/KG
S201-0101	49.4
S201-0201	36.7
S201-0302	108
S201-0402	47.1
S201-0501	137
S201-0601	91.3
S201-0702	98.2
S201-0801	333
S201-0901	216
S201-1001	286
S201-1101	137
S201-1202	118
S201-1301	196
S201-1402	48.2
S201-1501	370
S201-1602	164
S201-1701	129
S201-1802	17.9
S201-1901	163
S201-2001	194
S201-2101	228
S201-2201	63.1
S201-2301	20.3
S201-2401	16.6

POLE

POLE

165'

107'

<b>S201 -01 01</b> <b>XRF 222 PPM</b> <b>ECC 49.4 PPM</b>	<b>S201 -0201</b> <b>XRF 0.0 PPM</b> <b>ECC 36.7 PPM</b>	<b>S201 -0301</b> <b>XRF 499.7 PPM</b> <b>S201 -0302</b> <b>XRF 71.1 PPM</b> <b>ECC 108 PPM</b>	<b>S201 -0401</b> <b>XRF 6492 PPM</b> <b>S201 -0401</b> <b>XRF 0.0 PPM</b> <b>ECC 47.1 PPM</b>
<b>S201 -0501</b> <b>XRF 87.5 PPM</b> <b>ECC 137 PPM</b>	<b>S201 -0601</b> <b>XRF 29.0 PPM</b> <b>ECC 91.3 PPM</b>	<b>S201 -0701</b> <b>XRF 665 PPM</b> <b>S201 -0702</b> <b>XRF 50.0 PPM</b> <b>ECC 98.2 PPM</b>	<b>S201 -0801</b> <b>XRF 268.3 PPM</b> <b>ECC 333 PPM</b>
<b>S201 -0901</b> <b>XRF 172 PPM</b> <b>ECC 216 PPM</b>	<b>S201 -1001</b> <b>XRF 202 PPM</b> <b>ECC 286 PPM</b>	<b>S201 -1101</b> <b>XRF 104 PPM</b> <b>ECC 137 PPM</b>	<b>S201 -1201</b> <b>XRF 1056 PPM</b> <b>S201 -1202</b> <b>XRF 85.8 PPM</b> <b>ECC 118 PPM</b>
<b>S201 -1301</b> <b>XRF 155 PPM</b> <b>ECC 196 PPM</b>	<b>S201 -1401</b> <b>XRF 1011 PPM</b> <b>S201 -1402</b> <b>XRF 15.9 PPM</b> <b>ECC 48.2 PPM</b>	<b>S201 -1501</b> <b>XRF 312 PPM</b> <b>ECC 370 PPM</b>	<b>S201 -1601</b> <b>XRF 689 PPM</b> <b>S201 -1602</b> <b>XRF 115 PPM</b> <b>ECC 164 PPM</b>
<b>S201 -1701</b> <b>XRF 61.4 PPM</b> <b>ECC 129 PPM</b>	<b>S201 -1801</b> <b>XRF 866 PPM</b> <b>S201 -1802</b> <b>XRF 0.0 PPM</b> <b>ECC 17.9 PPM</b>	<b>S201 -1901</b> <b>XRF 91.0 PPM</b> <b>ECC 163 PPM</b>	<b>S201 -2001</b> <b>XRF 104 PPM</b> <b>ECC 194 PPM</b>
<b>S201 -2101</b> <b>XRF 189 PPM</b> <b>ECC 228 PPM</b>	<b>S201 -2201</b> <b>XRF 33.5 PPM</b> <b>ECC 63.1 PPM</b>	<b>S201 -2301</b> <b>XRF 0.0 PPM</b> <b>ECC 20.3 PPM</b>	<b>S201 -2401</b> <b>XRF 0.0 PPM</b> <b>ECC 16.6 PPM</b>

**201 WATSON**

**TOTAL DIMENSIONS**  
**165' X 107'**

**SPECIAL**

**OHM Corporation**  
FINDUS ONE

Drawn By: <b>RPR</b>	Checked By:
Date: <b>7/28/84</b>	Approved By:
Scale: <b>NTS</b>	Drawing No:

## **207 WATSON STREET**

**Action Date:** July 9, 1994  
**Loadout:** July 25, 1994  
**Restoration Begins:** July 29, 1994  
**Restoration Completed:** August 4, 1994

- ▶ Visual contamination was excavated yielding an estimated 690 cubic yards of hazardous waste, which was shipped to the Trust 454 site for stabilization.
- ▶ The remaining excavation yielded an estimated 90 cubic yards of special waste and was shipped to Laidlaw, Roxanna. Excavation averaged 1 ½ to 2 feet in depth.
- ▶ This lot was undeveloped so seed and straw mulch was not applied. When backfilling this lot soil was used as necessary to match existing landscape in the surrounding area. The house on this lot has burned down years ago. The old foundation was full of debris and was left as found.
- ▶ Equipment utilized during excavation:
  - PC150 Track Excavator
  - John Deere 444 Loader
  - Takeuchi TL26 Trackloader
  - 753 Bobcat
  - 15KW Generator
- ▶ Subcontractors:
  - AWS Haulers
    - Hauled Hazardous Waste
  - Metro East
    - Stone
    - Backfill
  - Cunningham Haulers
    - Special Waste
- ▶ Quantity Summaries:
  - See Figure BJ.1

► **Verification Analytical:**

- See Figure BJ.2

# QUANTITY SUMMARY

SITE NAME 207 WATSON

SUB CONTRACTOR H. WOLFE

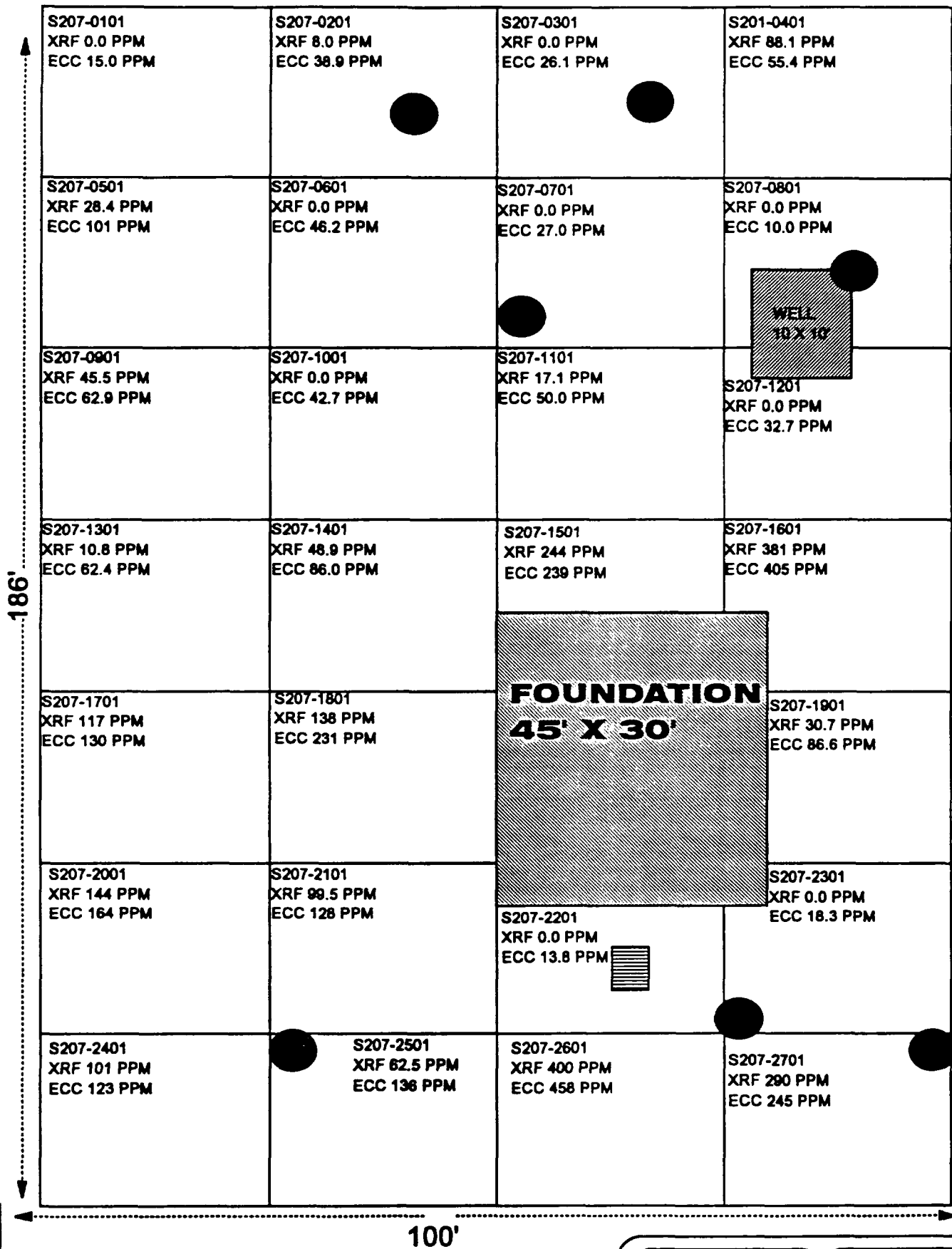
SITE #	HAZ CU YD	SPEC CU YD	CA-7 TONS	CA-6 TONS	BACKFILL	SAND	SEED/SOD	BACKFILL	ROCK
207	287	90			1 LOAD		SEED	7 LOADS	

# ECC RESULTS

## 207 WATSON

[illegible]





# 207 WATSON

**TOTAL DIMENSIONS  
186' X 100'**

**TREES**



**OEM Corporation**  
Ponding City

Drawn By: <b>RPR</b>	Checked By:
Date: <b>7/28/94</b>	Approved By:
Scale: <b>NTS</b>	Drawing No:

## **217A ROOSEVELT**

**Action Date:** July 10, 1994  
**Loadout:** July 25, 1994  
**Restoration Begins:** July 27, 1994  
**Restoration Completed:** August 4, 1994  
**Watered:** August 4 through August 29, 1994

- ▶ Visual contamination was excavated yielding an estimated 253 cubic yards of hazardous waste, which was shipped to the Trust 454 site for stabilization.
- ▶ The remaining excavation yielded an estimated 90 cubic yards of special waste which was shipped to Laidlaw, Roxanna. Excavation averaged 2 to 2 1/2 feet in depth.
- ▶ After seed was broadcast and mulched with straw, OHM crews watered until grass was stable.
- ▶ Equipment utilized during excavation:
  - 753 Bobcat
  - PC90 Trackhoe
  - John Deere 444 Loader
  - Takeuchi TL26 Trackloader
  - John Deere 310D Backhoe
  - Ingersol 7 1/2 Ton Roller
- ▶ Subcontractors:
  - AWS Haulers
    - Hauled Hazardous Waste
  - Metro East
    - Stone
    - Backfill
  - Cunningham Haulers
    - Special Waste
  - L. Wolfe Co.
    - Restoration
- ▶ Quantity Summaries:
  - See Figure BK.1

► Verification Analytical:

- See Figure BK.2

**QUANTITY SUMMARY**

**SITE NAME    217A ROOSEVELT**

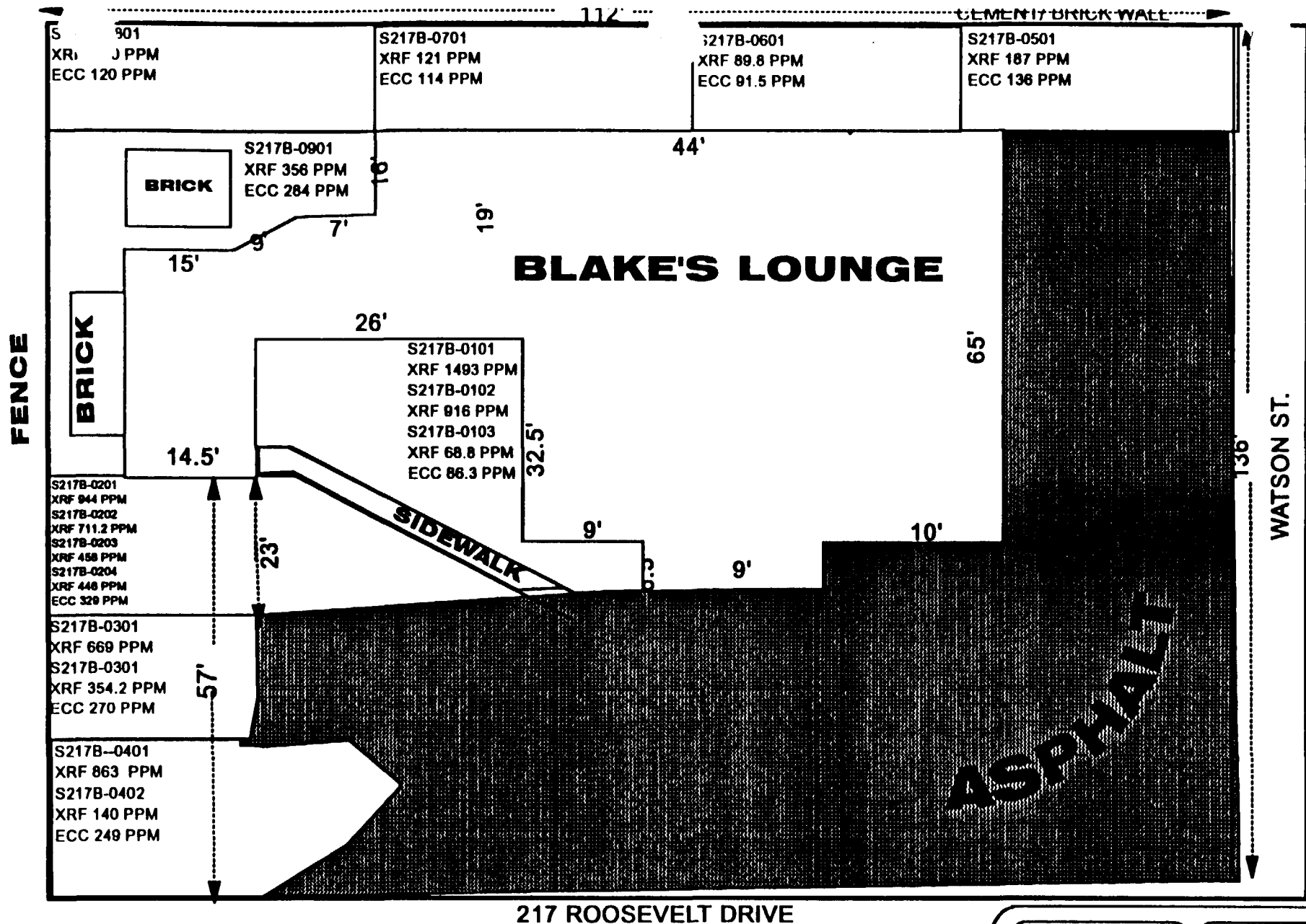
**SUB CONTRACTOR H. WOLFE**

<b>SITE #</b>	<b>HAZ CU YD</b>	<b>SPEC CU YD</b>	<b>CA-7 TONS</b>	<b>CA-6 TONS</b>	<b>BACKFILL</b>	<b>SAND</b>	<b>SEED/SOD</b>	<b>BACKFILL</b>	<b>ROCK</b>
217A	253	90	20.2	215.03			SEED	3 LOADS	1 LOAD

# ECC RESULTS



## 217A ROOSAVELT

[illegible]



**217 ROOSEVELT DR.(B)**

**TOTAL DIMENSIONS**  
112' X 136'

 <b>SPECIAL</b>	 <b>OHM Corporation</b> Findlay, Ohio	
	Drawn By: <b>RPR</b>	Checked By:
	Date: <b>7/29/94</b>	Approved By:
	Scale: <b>NTS</b>	Drawing No:

## 217B ROOSEVELT

**Action Date:** July 10, 1994  
**Loadout:** July 25, 1994  
**Restoration Begins:** July 27, 1994  
**Restoration Completed:** August 4, 1994  
**Watered:** August 4 through August 29, 1994

- ▶ Visual contamination was excavated yielding an estimated 57 cubic yards of hazardous waste, which was shipped to the Trust 454 site for stabilization.
- ▶ The remaining excavation yielded an estimated 90 cubic yards of special waste which was shipped to Laidlaw, Roxanna. Excavation averaged 2 to 2 1/2 feet in depth.
- ▶ During the excavation of this lot, the sidewalk running between #217A and #217B was broke. This sidewalk was repaired.
- ▶ Equipment utilized during excavation:
  - 753 Bobcat
  - John Deere 444 Loader
  - Takeuchi TL26 Trackloader
  - John Deere 310D Backhoe
  - Ingersol 7 1/2 Ton Roller
- ▶ Subcontractors:
  - AWS Haulers
    - Hauled Hazardous Waste
  - Metro East
    - Stone
    - Backfill
  - Cunningham Haulers
    - Special Waste
  - L. Wolfe Co.
    - Restoration
- ▶ Quantity Summaries:
  - See Figure BL.1

► Verification Analytical:

- See Figure BL.2



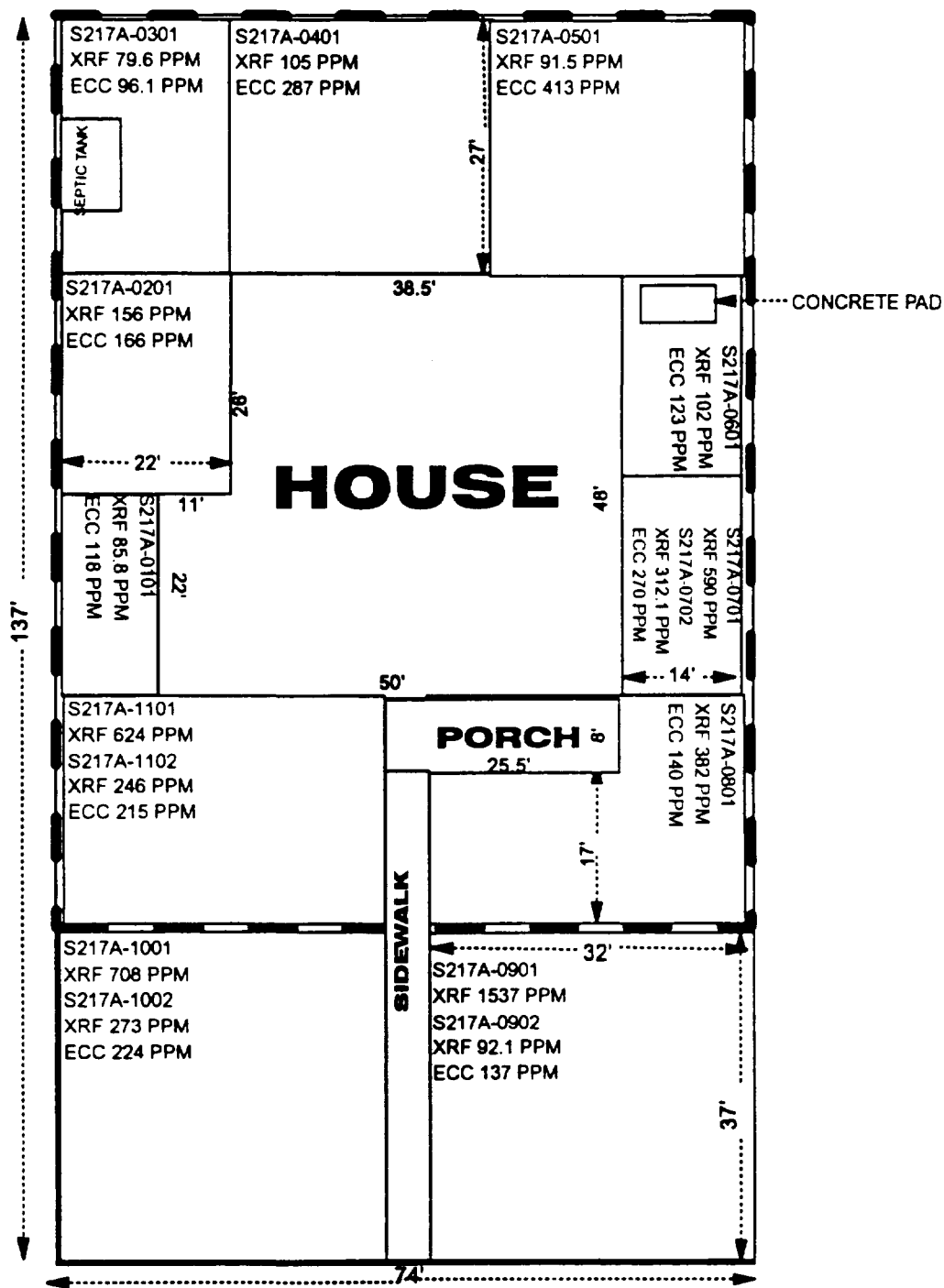
**QUANTIT , SUMMARY****SITE NAME    217B ROOSEVELT****SUB CONTRACTOR H. WOLFE**

<b>SITE #</b>	<b>HAZ CU YD</b>	<b>SPEC CU YD</b>	<b>CA-7 TONS</b>	<b>CA-6 TONS</b>	<b>BACKFILL</b>	<b>SAND</b>	<b>SEED/SOD</b>	<b>BACKFILL</b>	<b>ROCK</b>
217B	57	90	8.65	92.16			SEED	1 LOAD	

# ECC RESULTS

## 217B ROOSAVELT

[illegible]



**217 ROOSEVELT DR. (A)**

**TOTAL DIMENSIONS**  
74' X 137'

<b>SPECIAL</b>  <b>FENCE</b>	 <b>OBM Corporation</b> Field One	
	Drawn By: <b>KPR</b>	Checked By:
	Date: <b>7/28/04</b>	Approved By:
	Scale:	Drawing No:

## **PUG MILL**

- ▶ An estimated 7180 tons of hazardous waste was processed through the pug mill as explained in Section 4.5.3 of this report.
- ▶ An estimated 8259 tons of treated special waste was shipped from the pug mill site to Laidlaw, Roxanna.
- ▶ The additional tonnage is due to the reagent and water mixture applied to the soil going through the pug mill process.
- ▶ Equipment utilized during excavation:
  - Komatsu PC220 Track Excavator
  - John Deere 444 Loader
  - 753 Bobcat Skidsteer
  - Komatsu PC150 Track Excavator
  - 853 Bobcat Skidsteer
  - Takeuchi TL26 Track Loader
  - John Deere 644 Loader
  - John Deere 544 Loader
  - Komatsu WA180 Loader
  
  - Pug mill
  - Belt Feeder
  - Power Screen
  - 3 Conveyers
  - Silo
  - Auger Feeder
  - Pig (cement storage)
  - 2 - 50,000 Storage Pools
  - 1 - 12' x 70' Storage Building
- ▶ Subcontractors:
  - AWS Haulers
    - Hauled Hazardous Waste coming to Pad
  - Cunningham Haulers
    - Treated Special Waste
  - Beelman Transportation
    - Treated Special Waste
    - Portland Cement and Pig

- Inetgra Plastic
  - Geotextile Liner
- Cox Electric
  - Electrical
- L. Wolfe Co.
  - Asphalt
  - Stone
- Bollmeier Crane Service
  - Set-up
- ▶ Quantity Summaries:
  - See Figure AV.1
- ▶ Verification Analytical:
  - See Figure AV.2

## QUANTITY SUMMARY

**SITE NAME**      PUGMILL

SITE #	HAZ CU YD	STABILIZED	CA-7 TONS	CA-6 TONS	BACKFILL	SAND	SEED/SOD	BACKFILL	ROCK
1459 STATE	7167.96	*8259.61		491.12					

\*ALL PUGMILL WASTE WAS STABILIZED WASTE THAT  
WAS SHIPPED TO LAIDLAW AFTER PROCESSING  
PROCESSING PERCENT OF REAGENT AND WATER=13.5%

OHM CORPORATION  
 PROJECT 13407  
 GRANITE CITY, IL  
 03/09/95

ECC RESULTS-PUG MILL

SECTION NUMBER	RESULTS MG/L	SECTION NUMBER	RESULTS MG/L
S006-P01	BDL	S201-P05	BDL
S006-P02	BDL	S201-P06	BDL
S07.5-P01	BDL	S201-P07	BDL
S07.5-P02	BDL	S201-P08	BDL
S07.5-P03	BDL	S202-P01	BDL
S013-P01	BDL	S203-P01	BDL
S013-P02	BDL	S203-P02	BDL
S013-P03	BDL	S203-P03	BDL
S019-P01	BDL	S204-P01	0.35
S019-P02	BDL	S204-P02	0.34
S36.5-P01	BDL	S206-P01	BDL
S049-P01	BDL	S206-P02	0.37
S049-P02	BDL	S206-P03	BDL
S049-P03	0.42	S206-P04	BDL
S049-P04	BDL	S206-P05	BDL
S049-P05	BDL	S206-P06	BDL
S053-P01	BDL	S206-P07	BDL
S053-P02	BDL	S207-P01	BDL
S053-P03	BDL	S207-P02	BDL
S053-P04	BDL	S207-P03	BDL
S062-P01	BDL	S210-P01	BDL
S062-P02	BDL	S210-P02	BDL
S062-P03	BDL	S211-P01	BDL
S62.5-P01	BDL	S214-P01	BDL
S62.5-P02	BDL	S214-P02	BDL
S62.5-P03	BDL	S214-P03	BDL
S065-P01	BDL	S214-P04	BDL
S065-P02	BDL	S217-P01	0.32
S065-P03	BDL	S217-P02	BDL
S65.5-P01	BDL	S217-P03	BDL
S65.5-P02	BDL	S1217-P01	BDL
S104-P01	0.31	S1217-P02	BDL
S105-P01	BDL	OVER-P01	BDL
S105-P02	BDL	OVER-P09	BDL
S105-P03	BDL	OVER-P10	BDL
S123-P01	BDL	OVER-P11	BDL
S201-P01	BDL	OVER-P12	BDL
S201-P02	BDL	OVER-P13	BDL
S201-P03	BDL	OVER-P14	BDL
S201-P04	BDL	OVER-P15	BDL

\*BDL-BELOW DETECTION LIMITS

